



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#4

Applicant: Patrick W. McManus et al.

Serial No.: 09/977,721

Filed: October 15, 2001

Title: Mechanism for Improving the
Sealing Function for a Slide Out
Room of a Recreational Vehicle

GriyoArt Unit: 3635

Examiner:

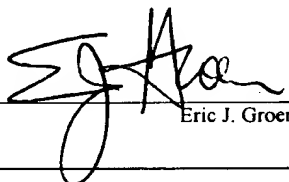
Docket No.: DEW0008.05.1

CERTIFICATION UNDER 37 CFR 1.8

COPY OF PAPERS
ORIGINALLY FILED

I hereby certify that, on the date shown below, this correspondence is being deposited with the United States Postal Service in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231 with sufficient postage as first class mail.

Date: January 21, 2002



Eric J. Groen

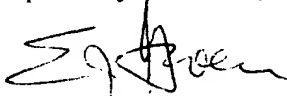
SUBMISSION OF FORMAL DRAWINGS

Honorable Commissioner for Patents
Washington, D.C. 20231

Sir:

Enclosed herewith are sixty-four (64) sheets of formal drawings for the above-identified application.

Respectfully submitted,



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Attorney for Applicant
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Enclosures: Return Postcard
Formal Drawings (64 Sheets)

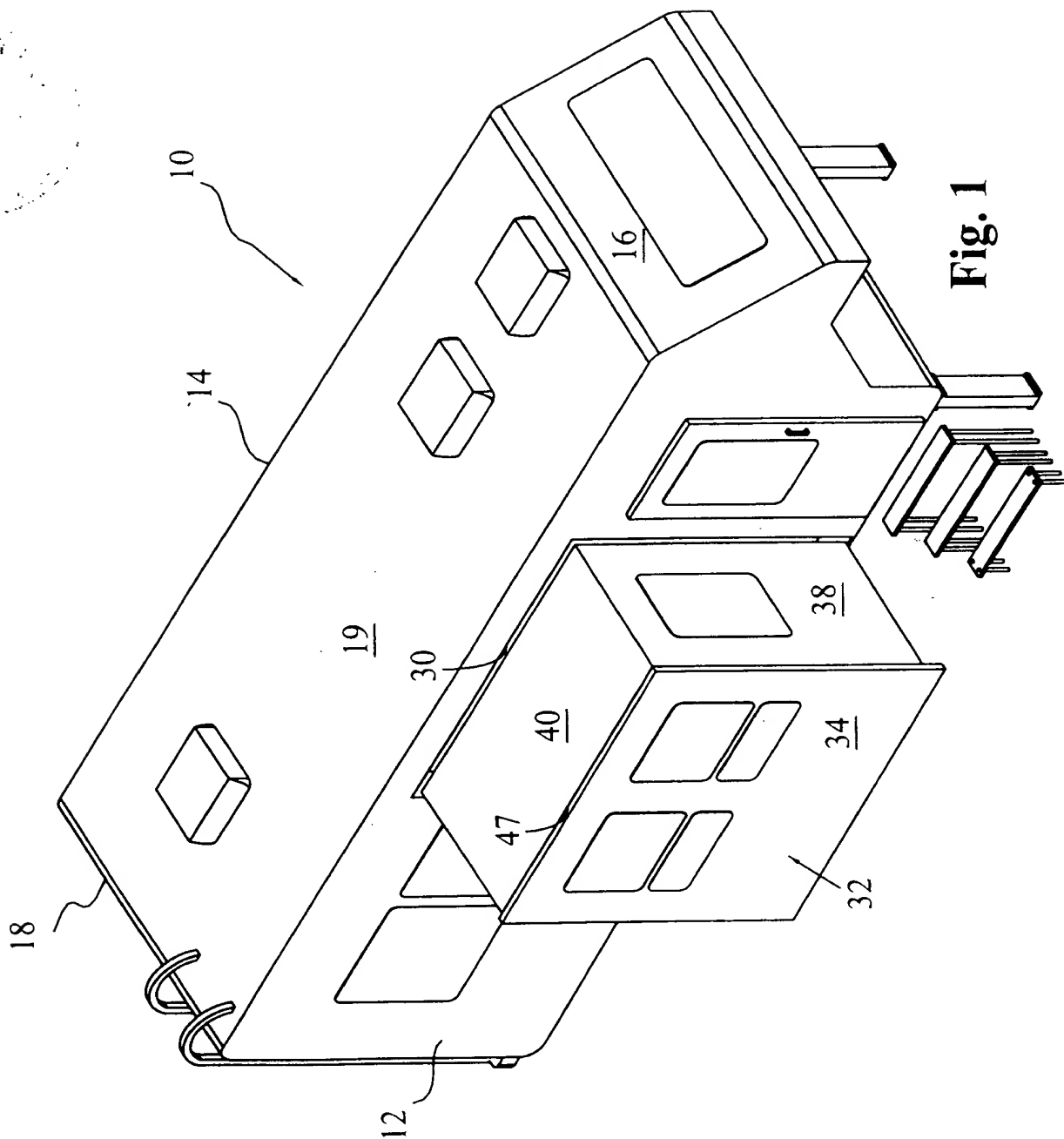


Fig. 1

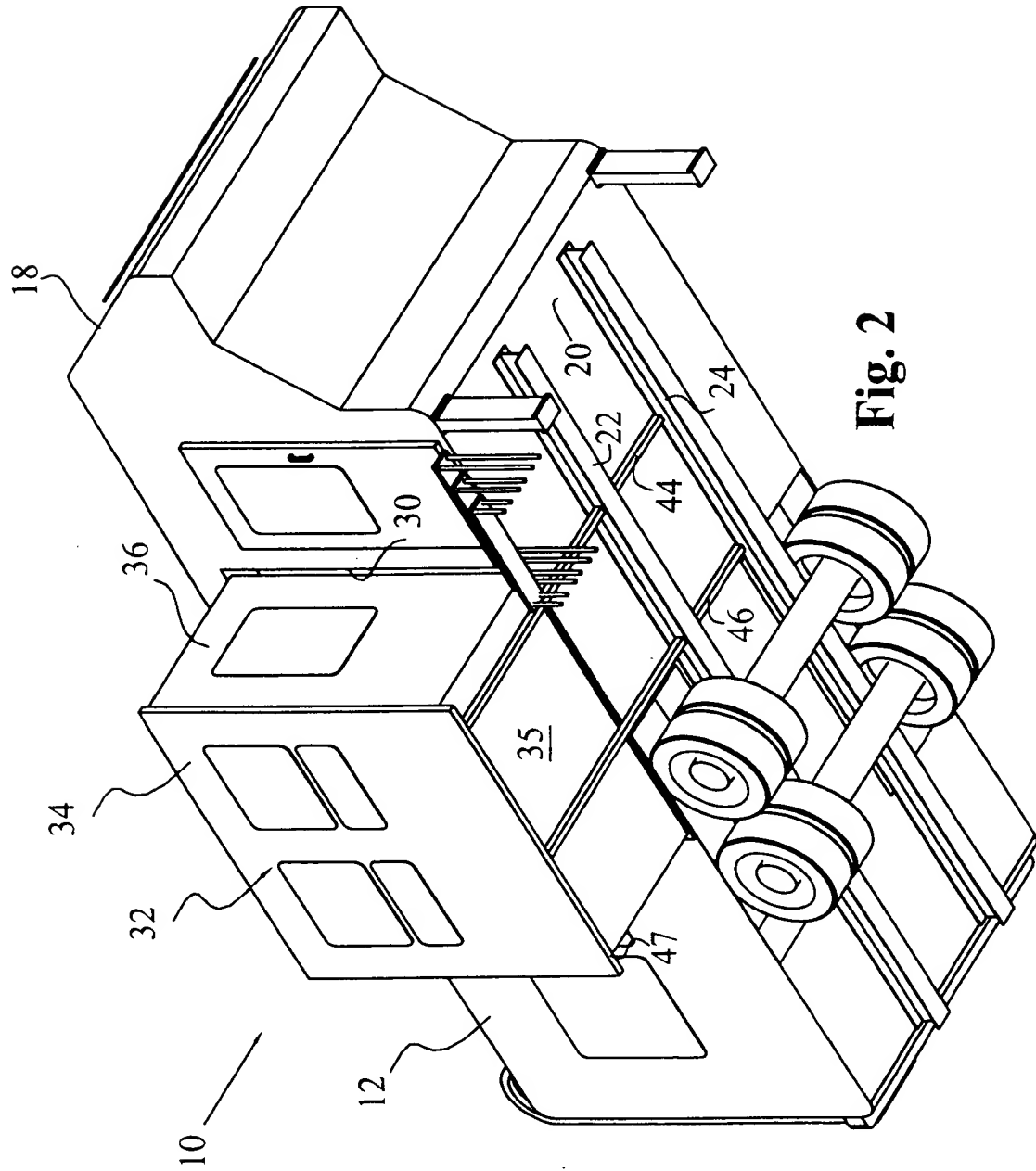


Fig. 2

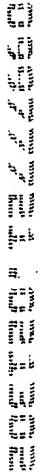


Fig. 3

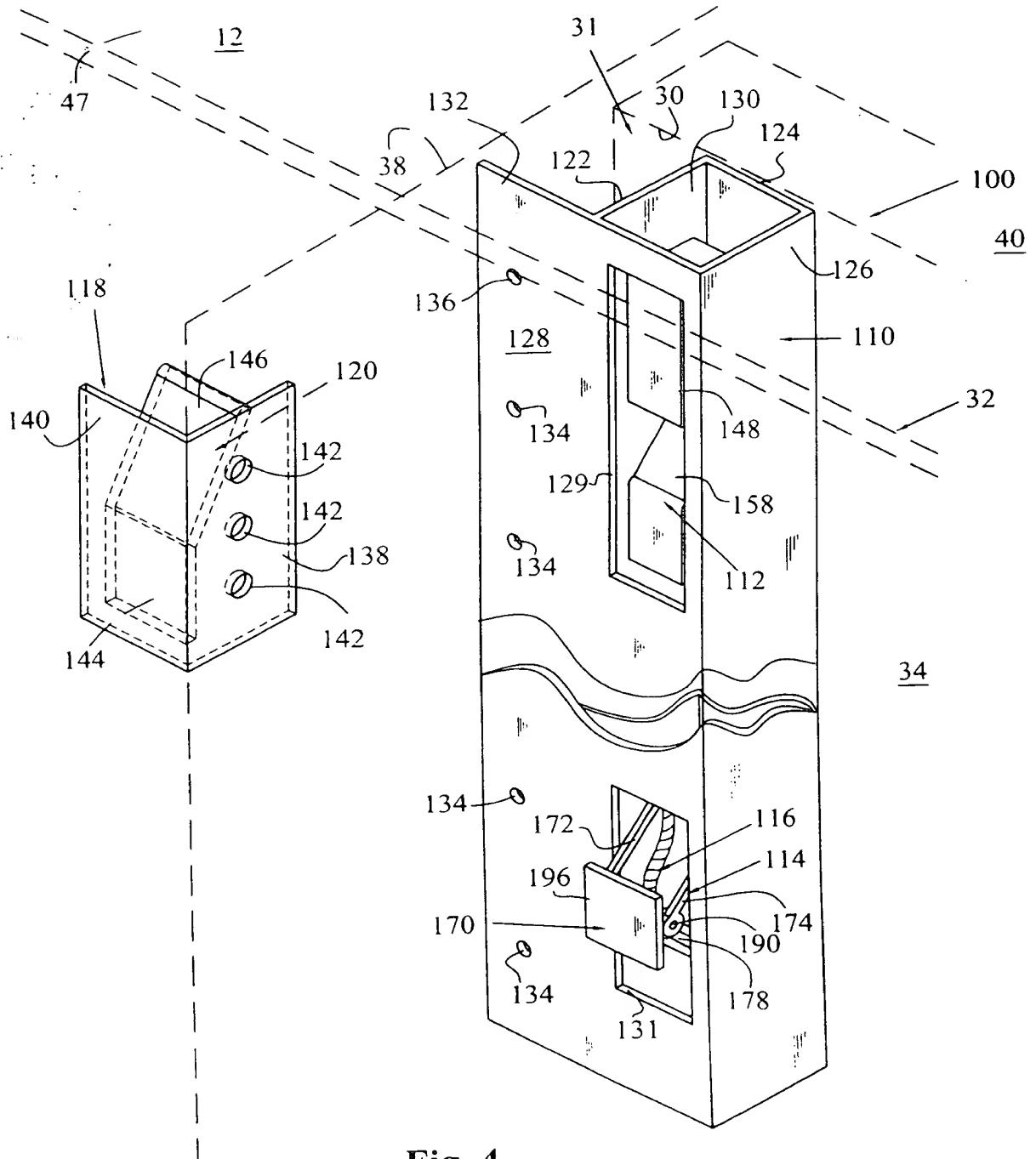


Fig. 4

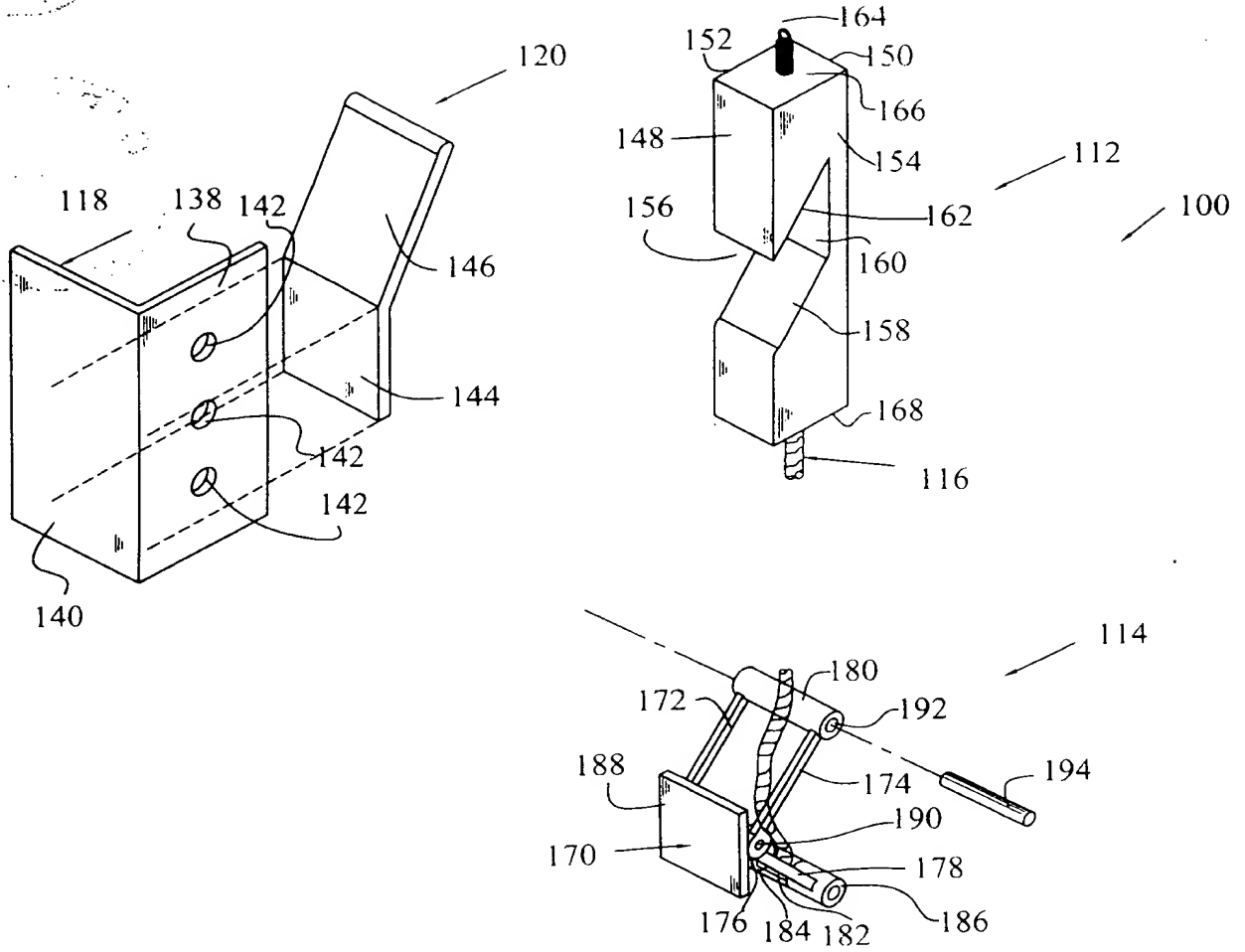


Fig. 5

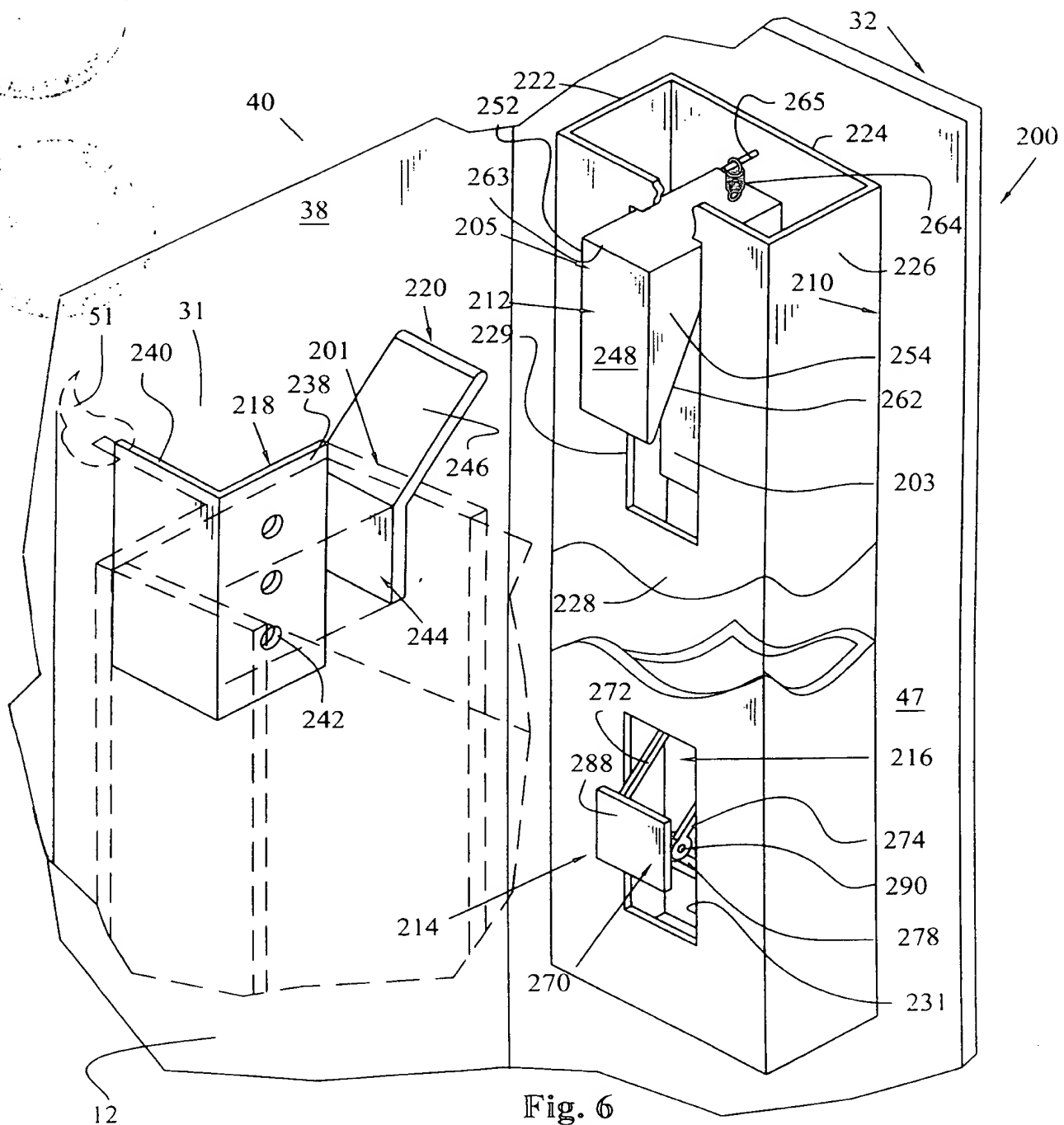


Fig. 6



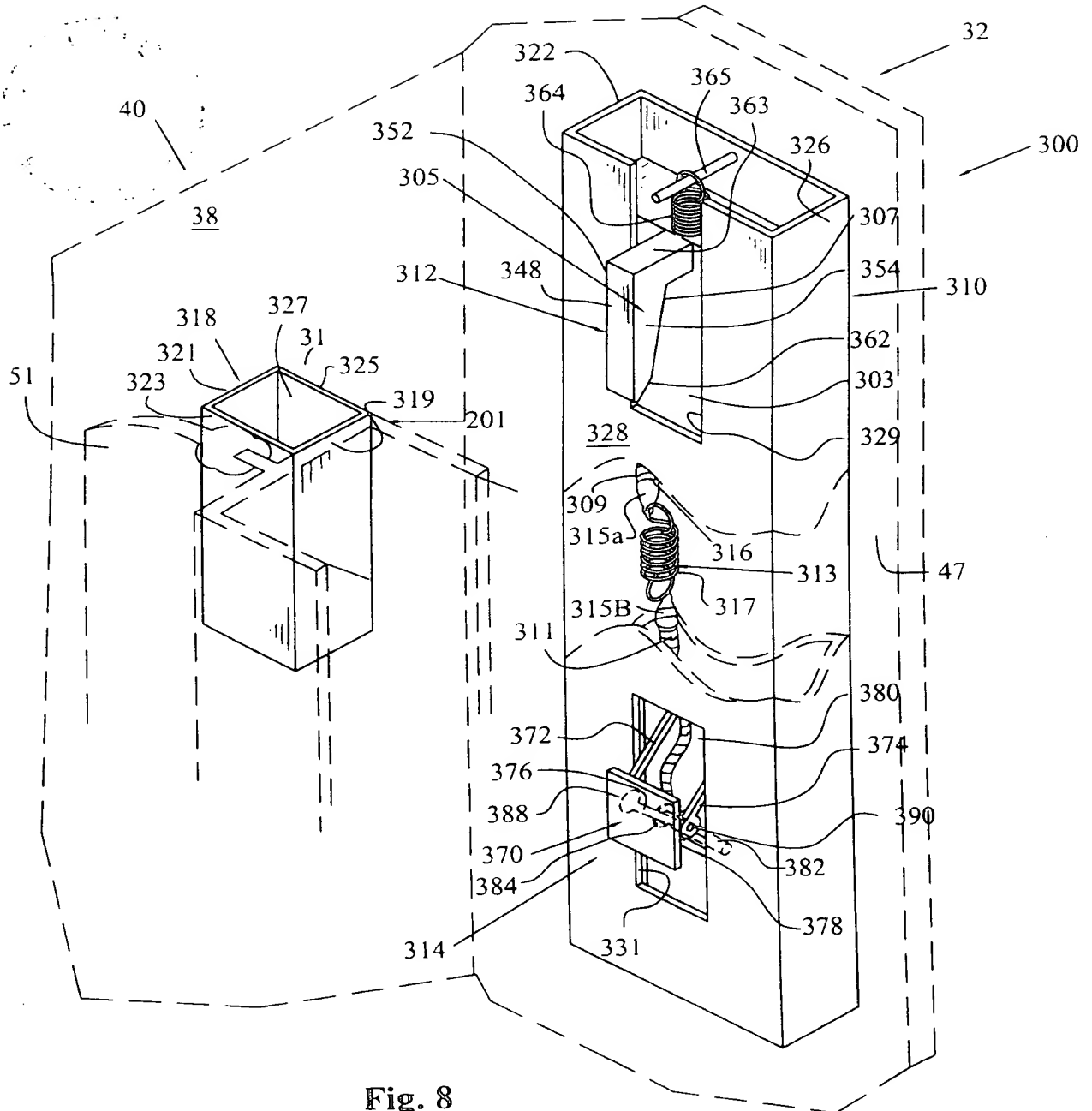
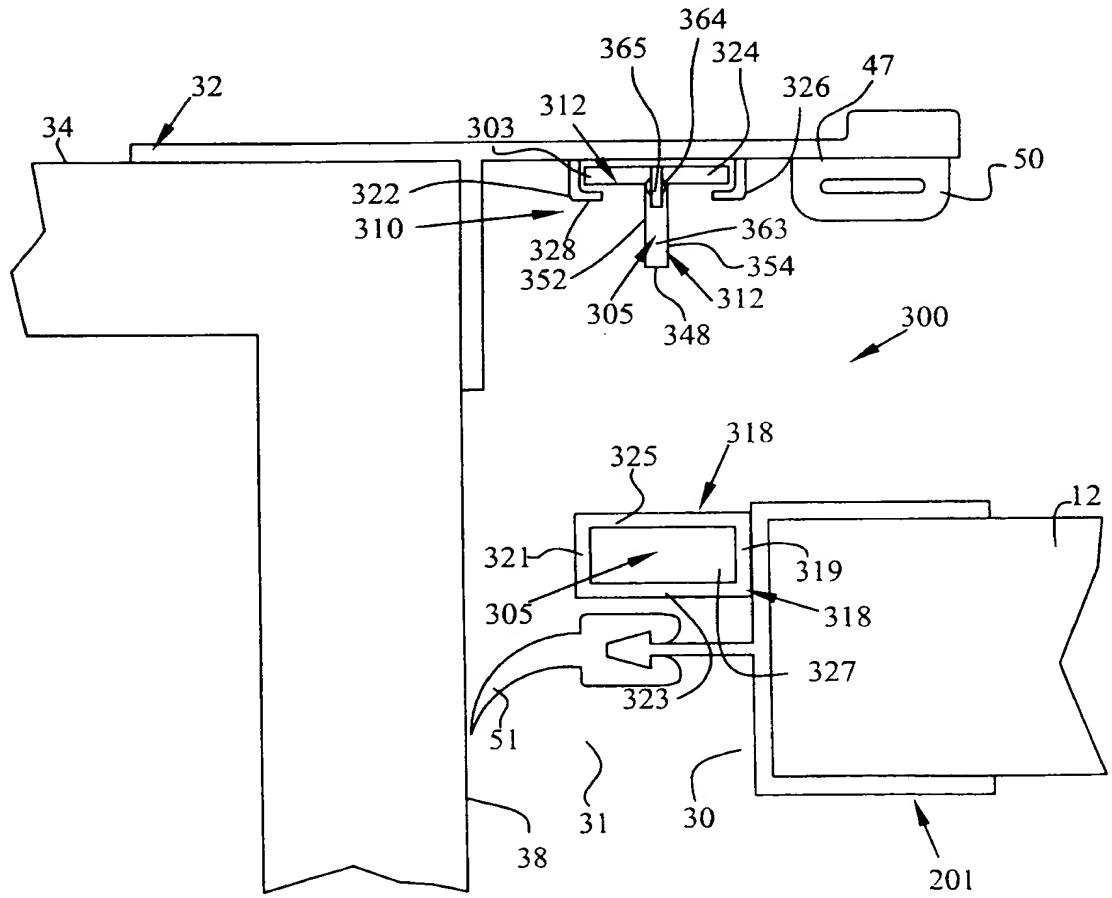
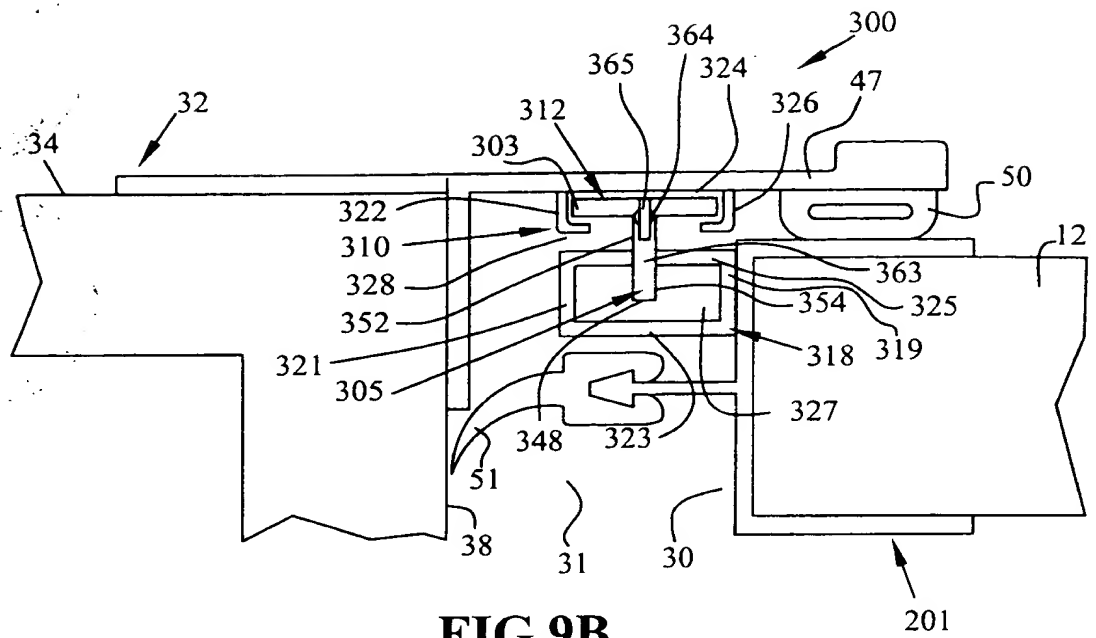
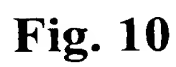


Fig. 8





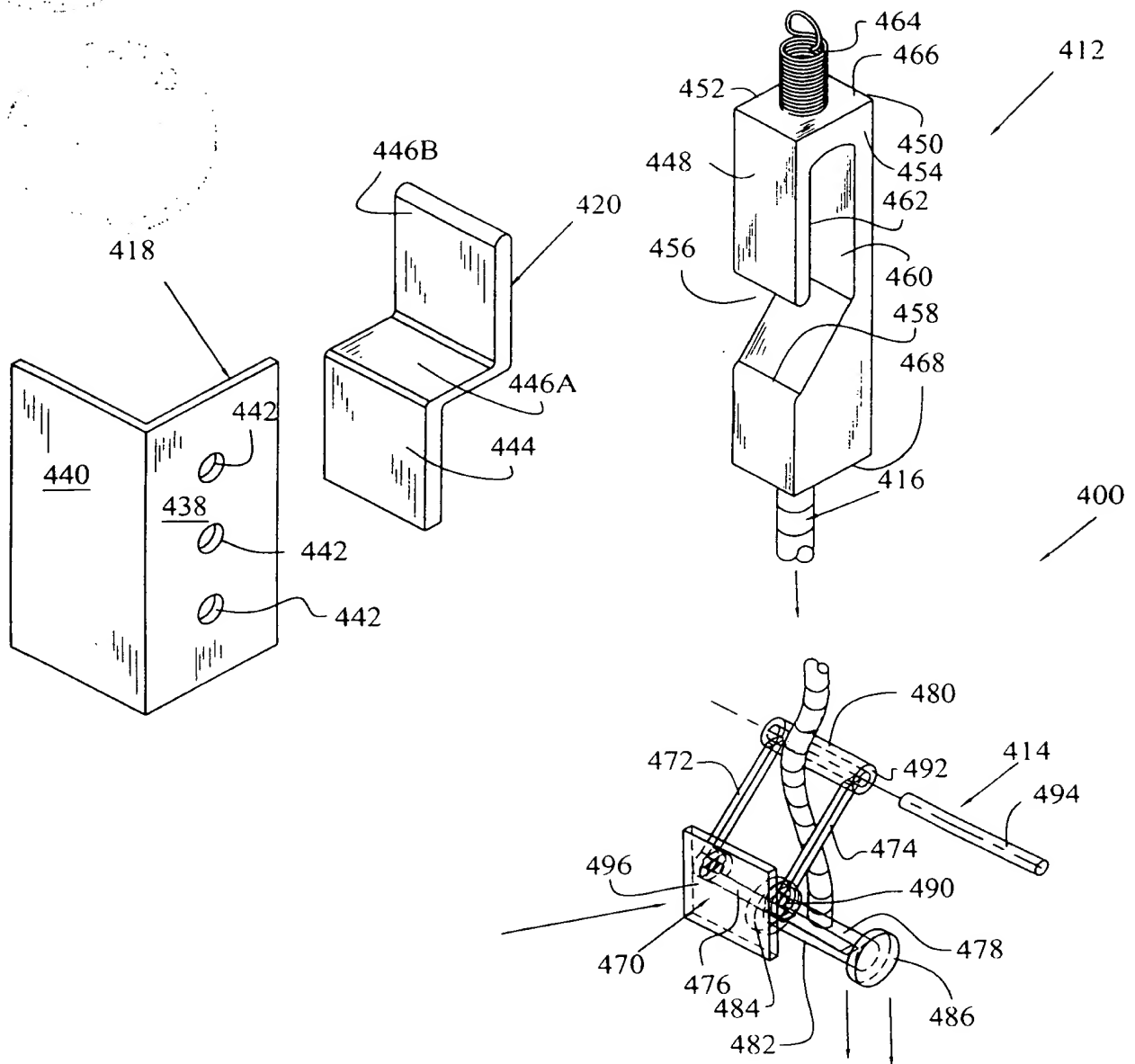


Fig. 11

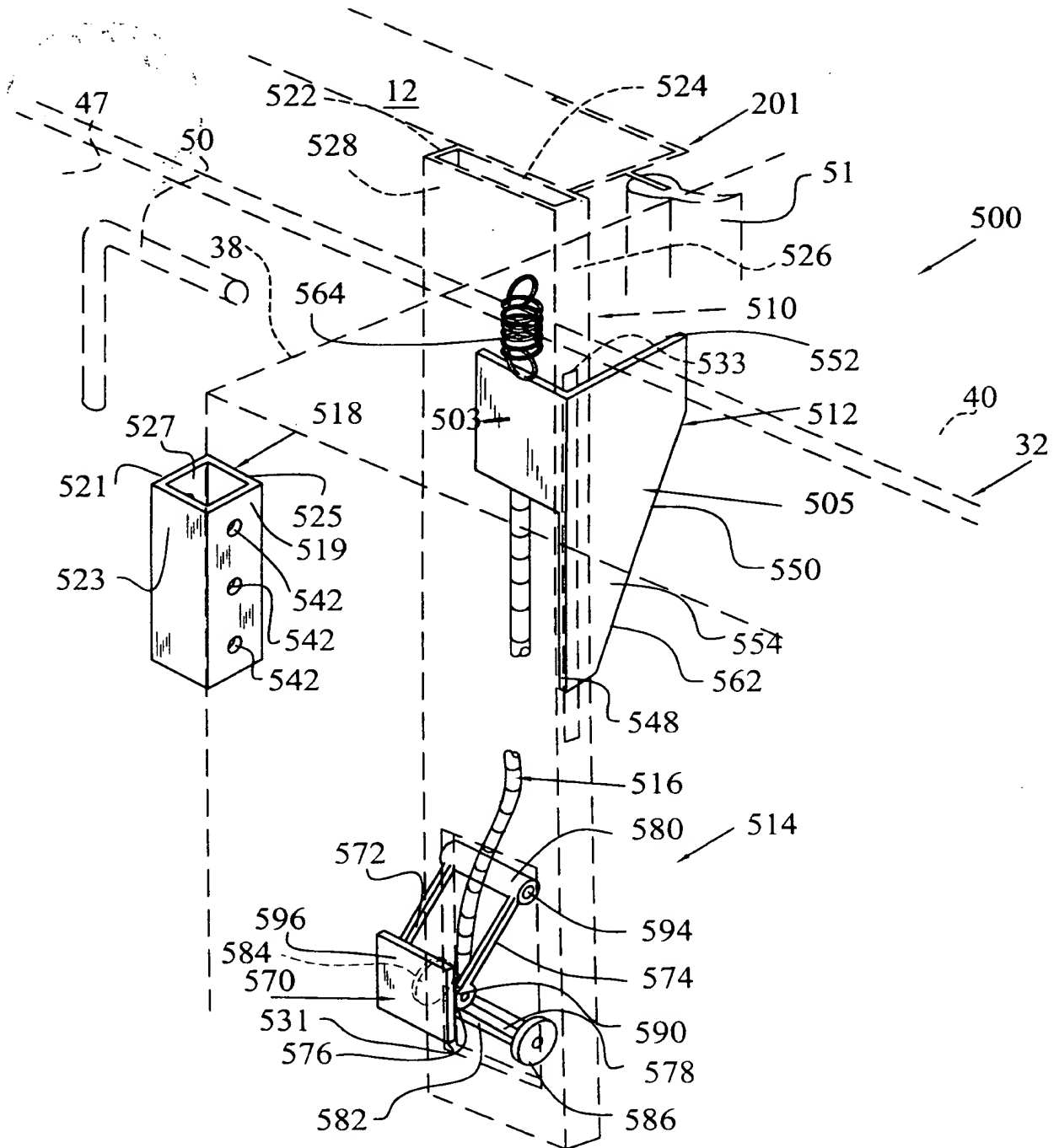


Fig. 12



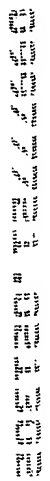
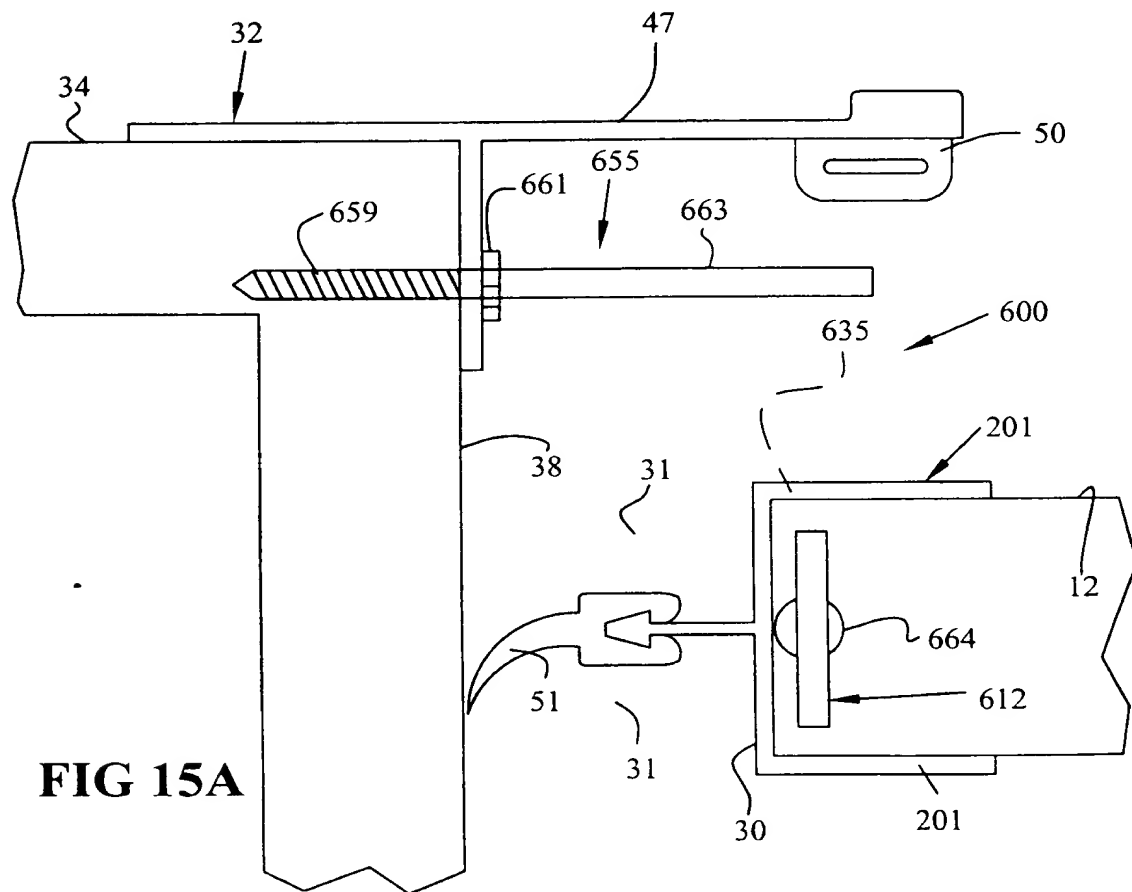
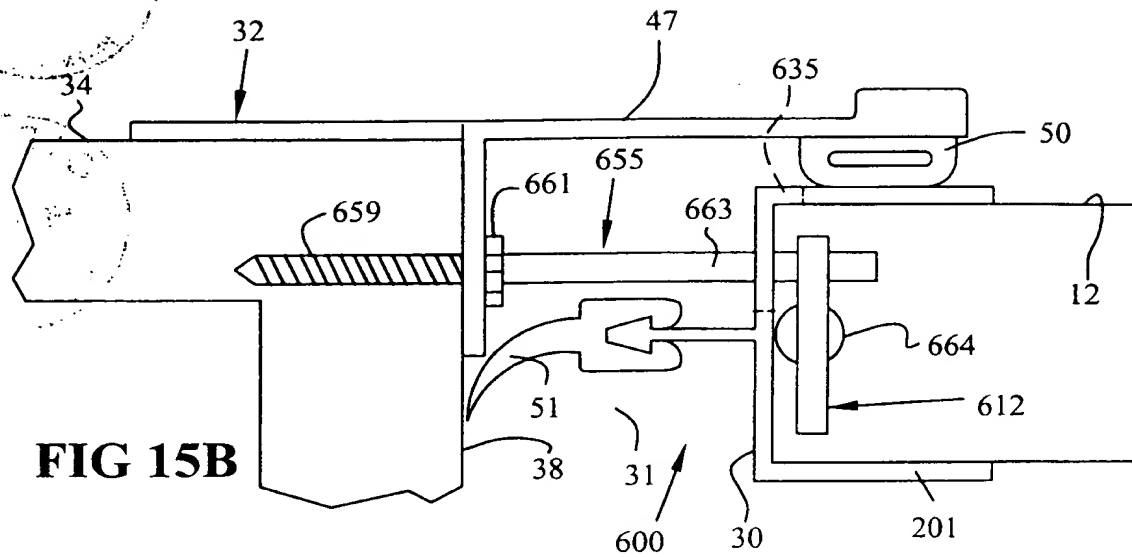


Fig. 14





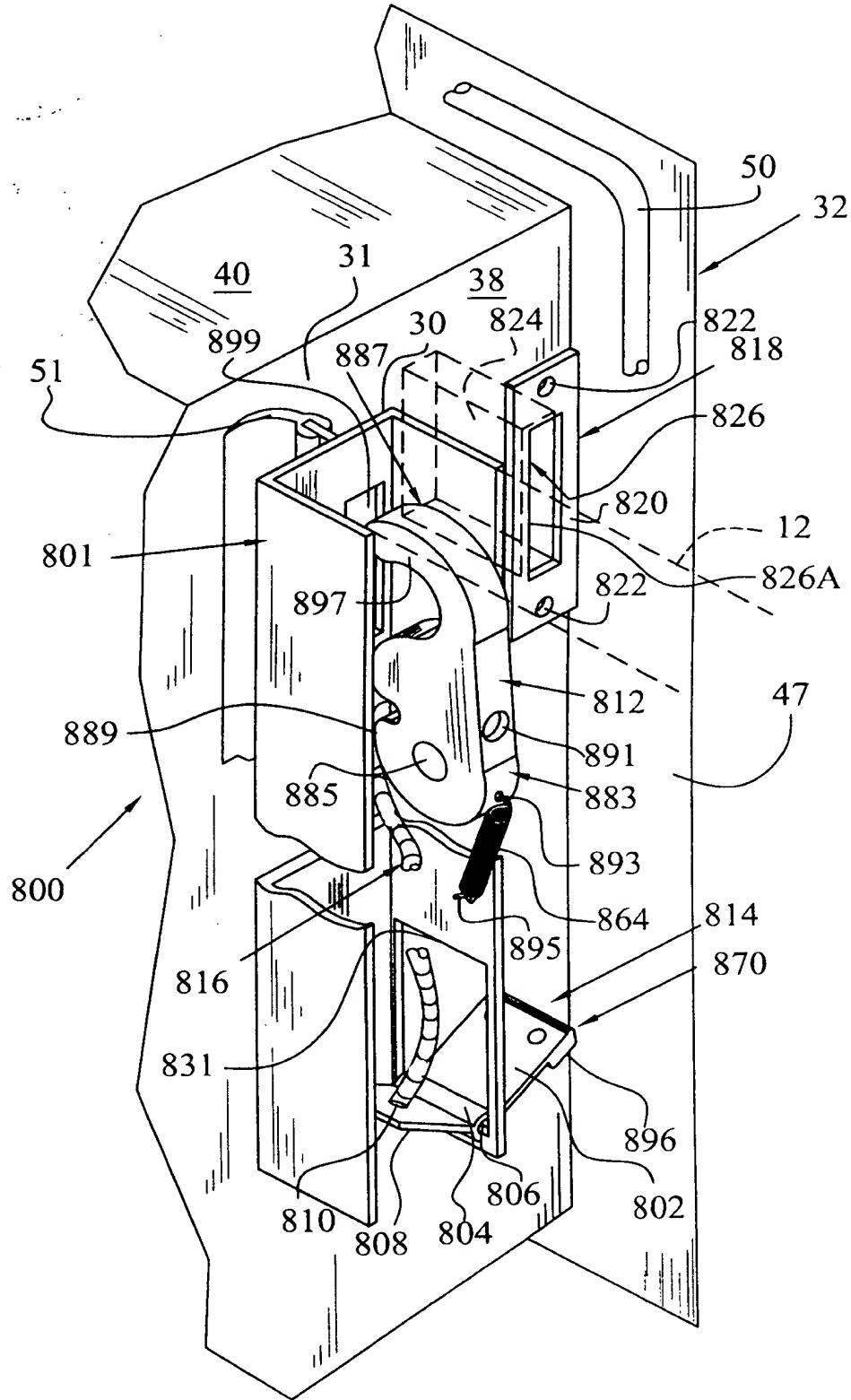


Fig. 17

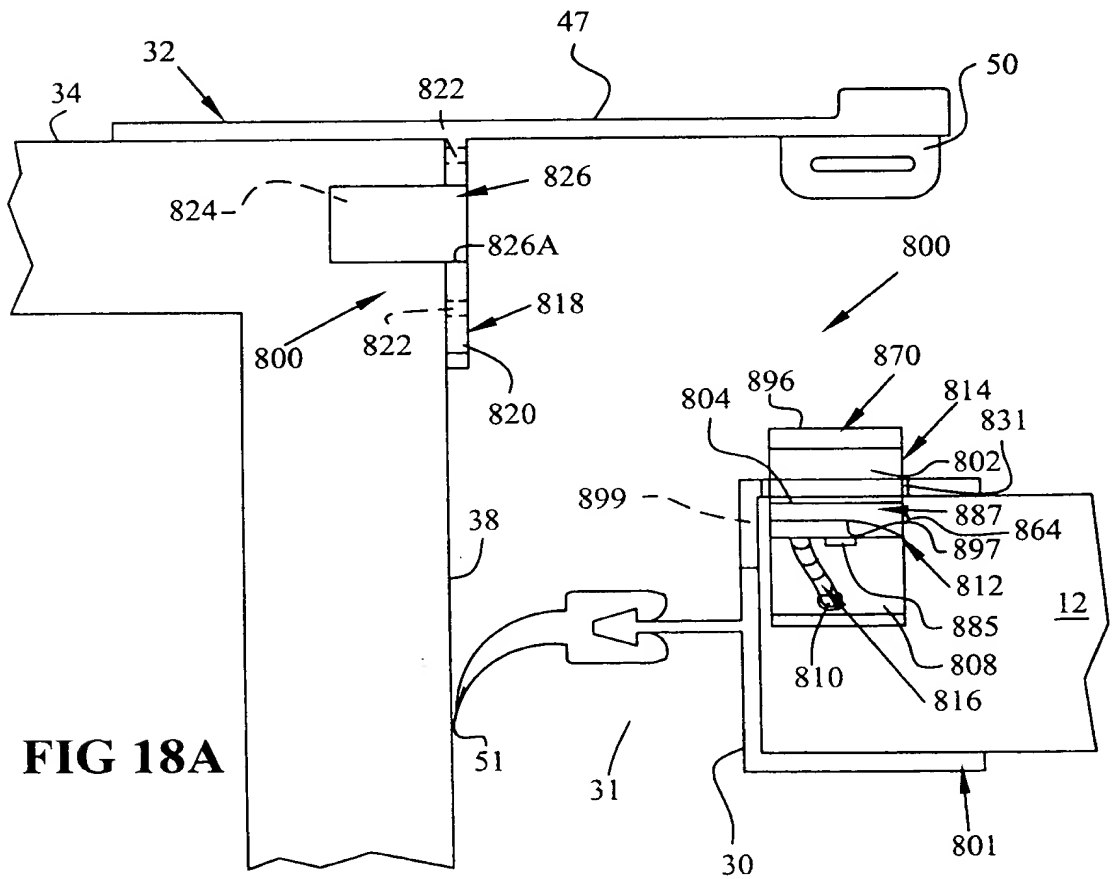
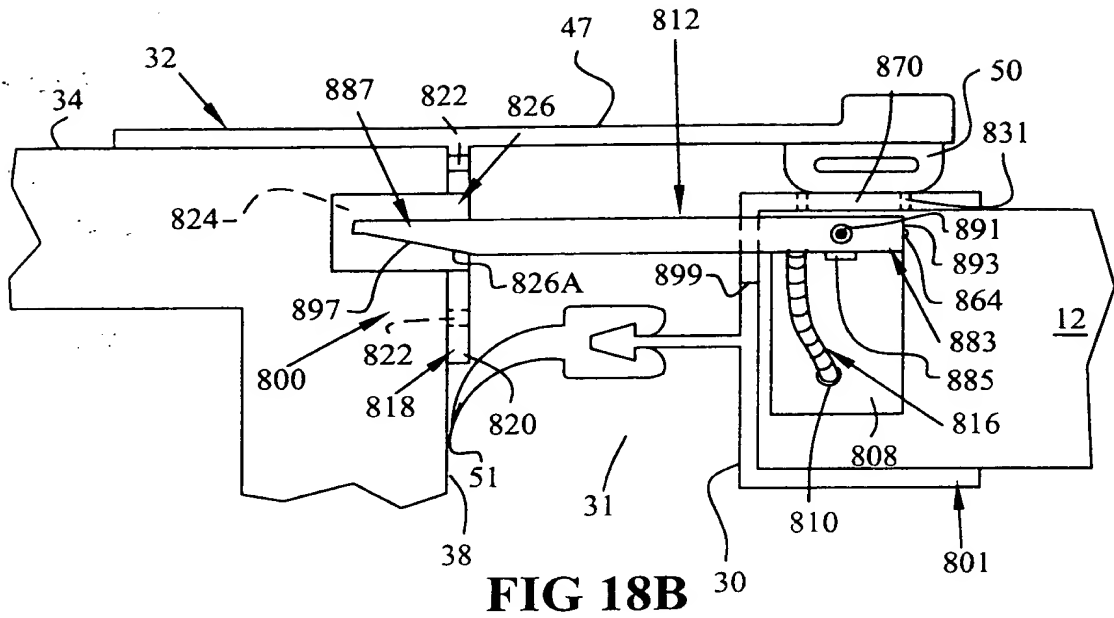




Fig. 19

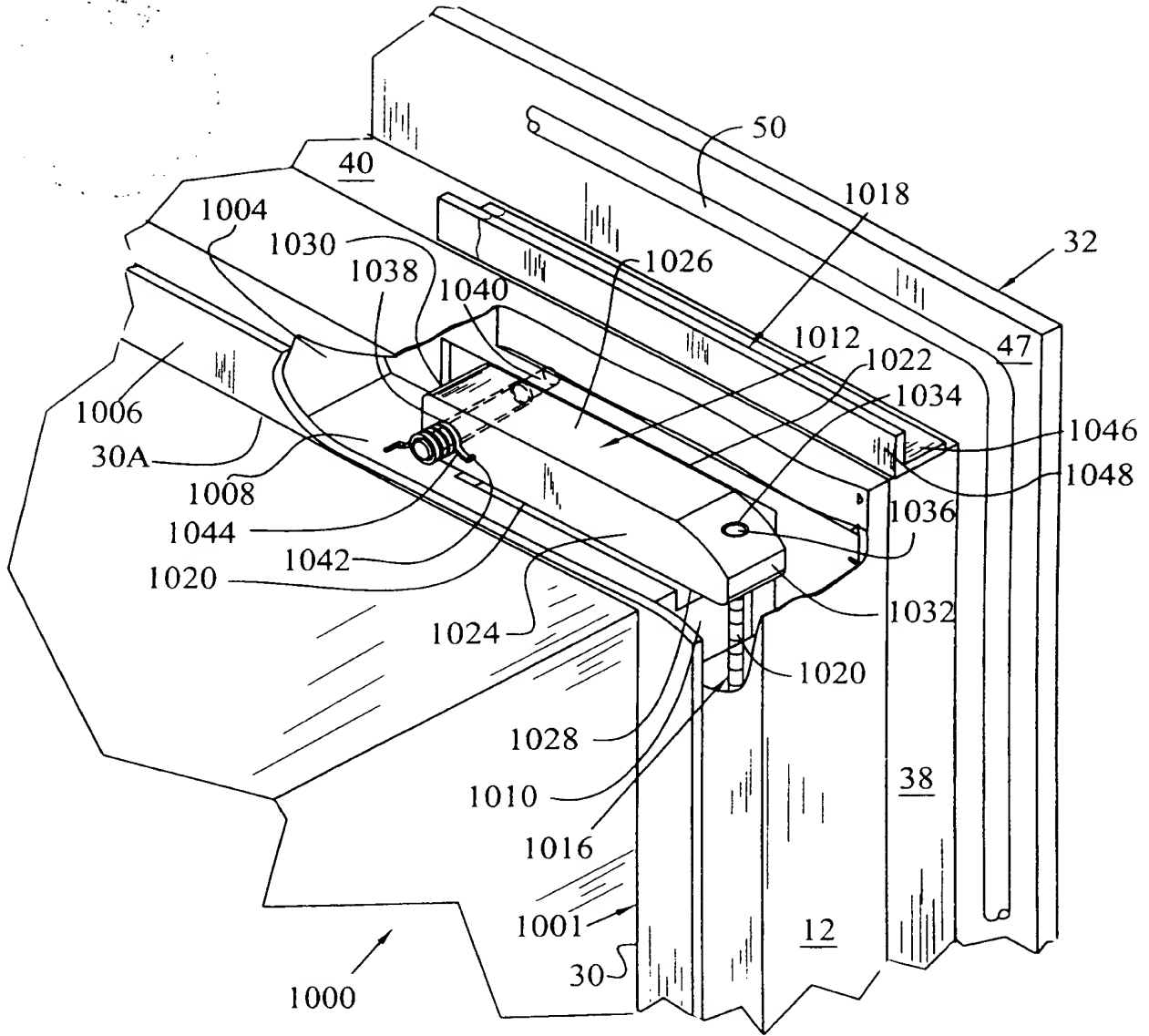
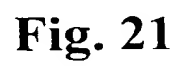
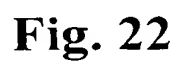


Fig. 20





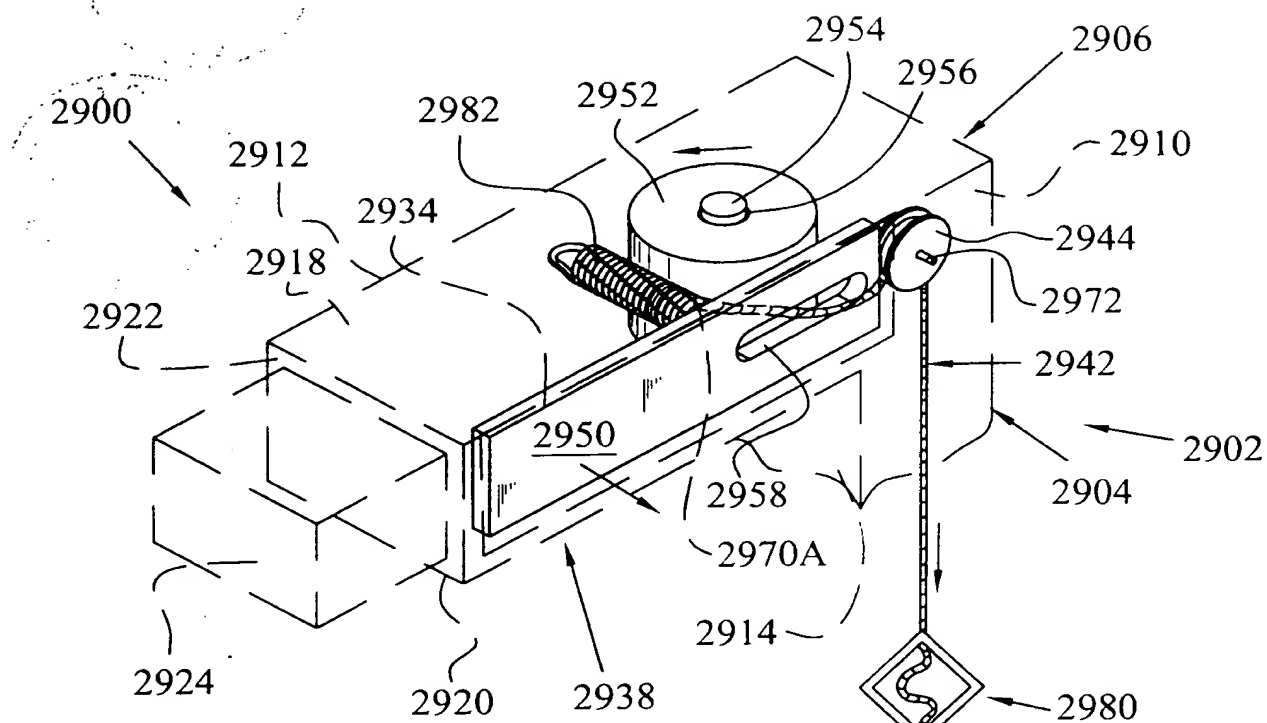
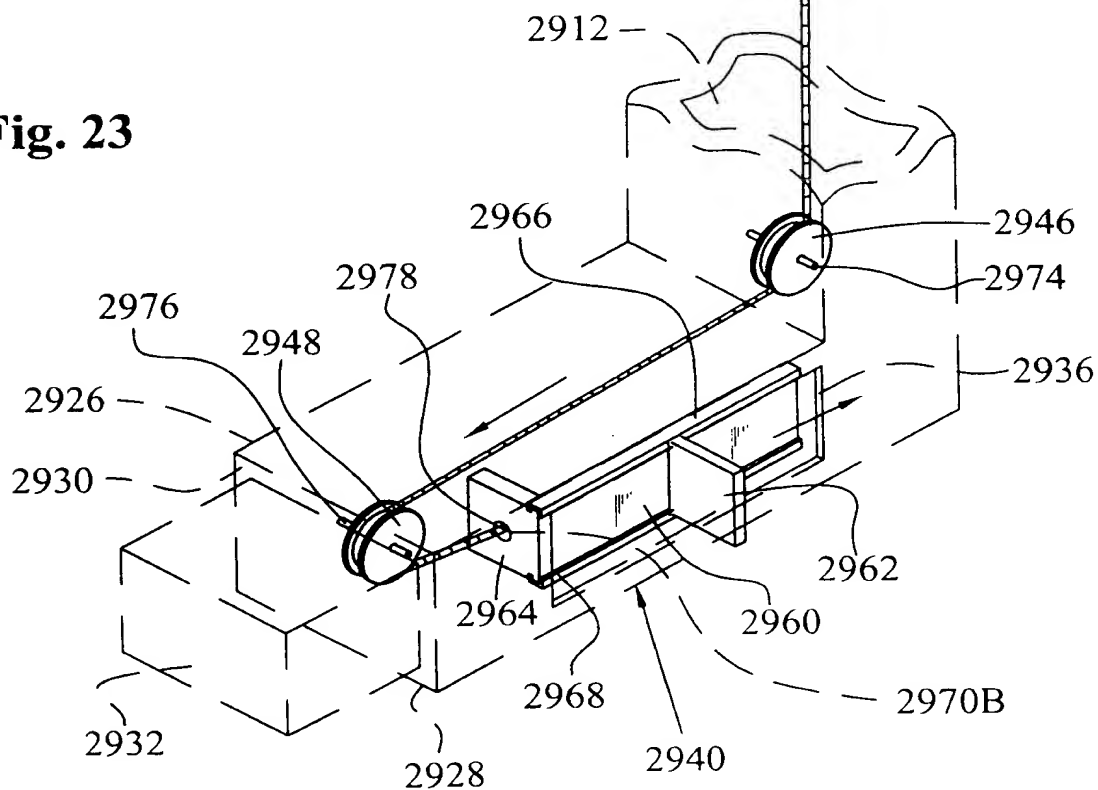
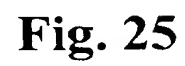


Fig. 23







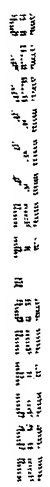


Fig. 26

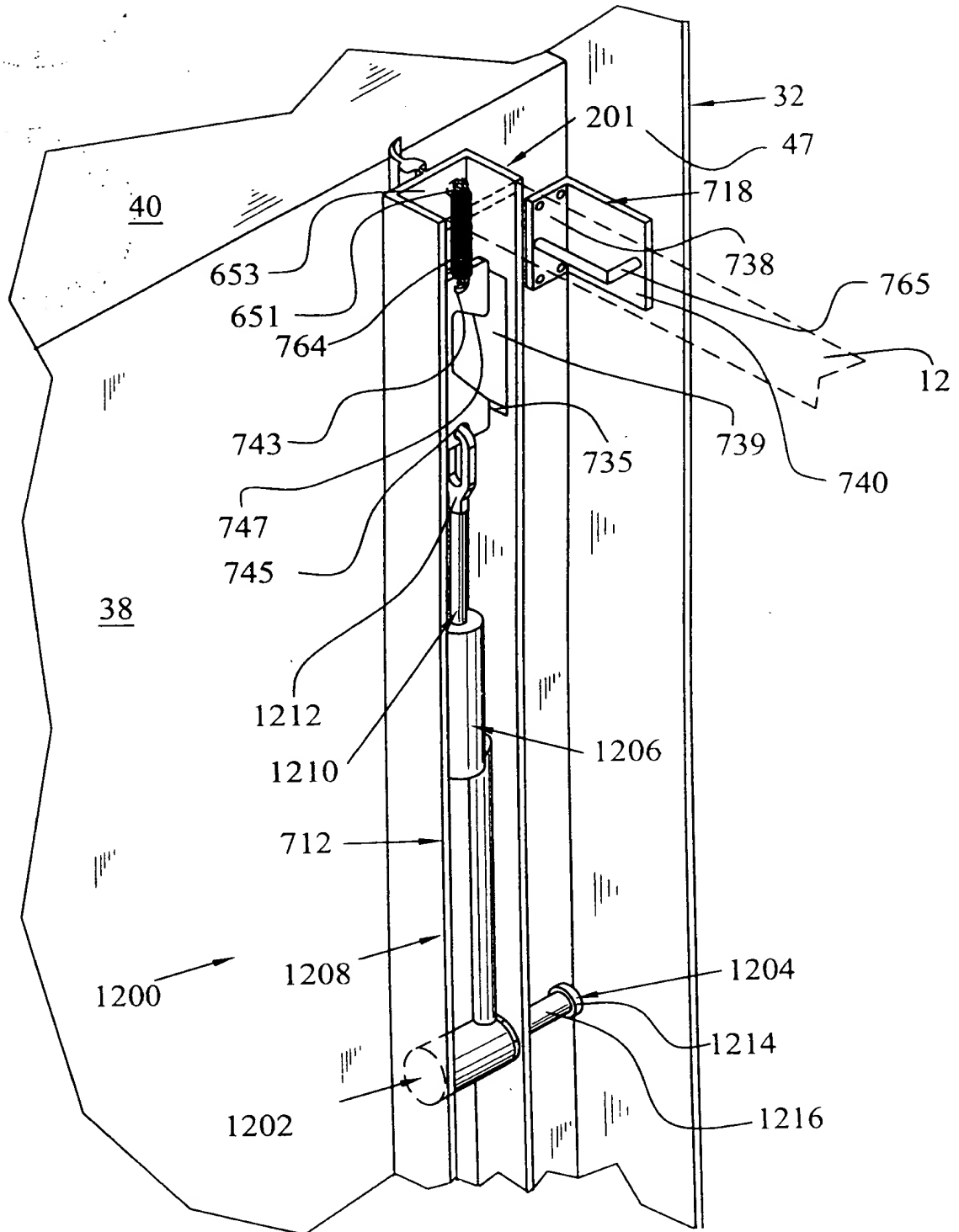
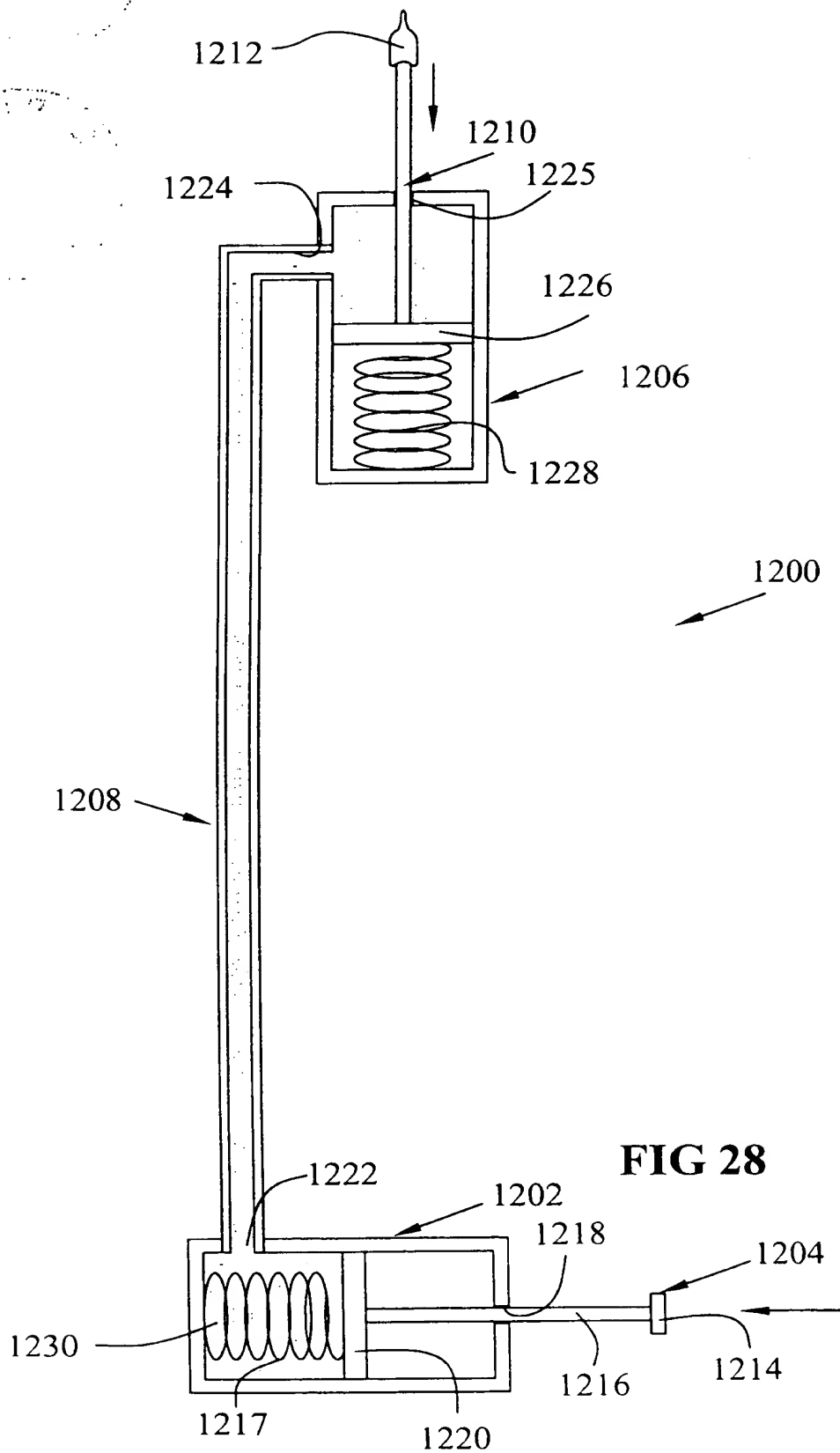


Fig. 27



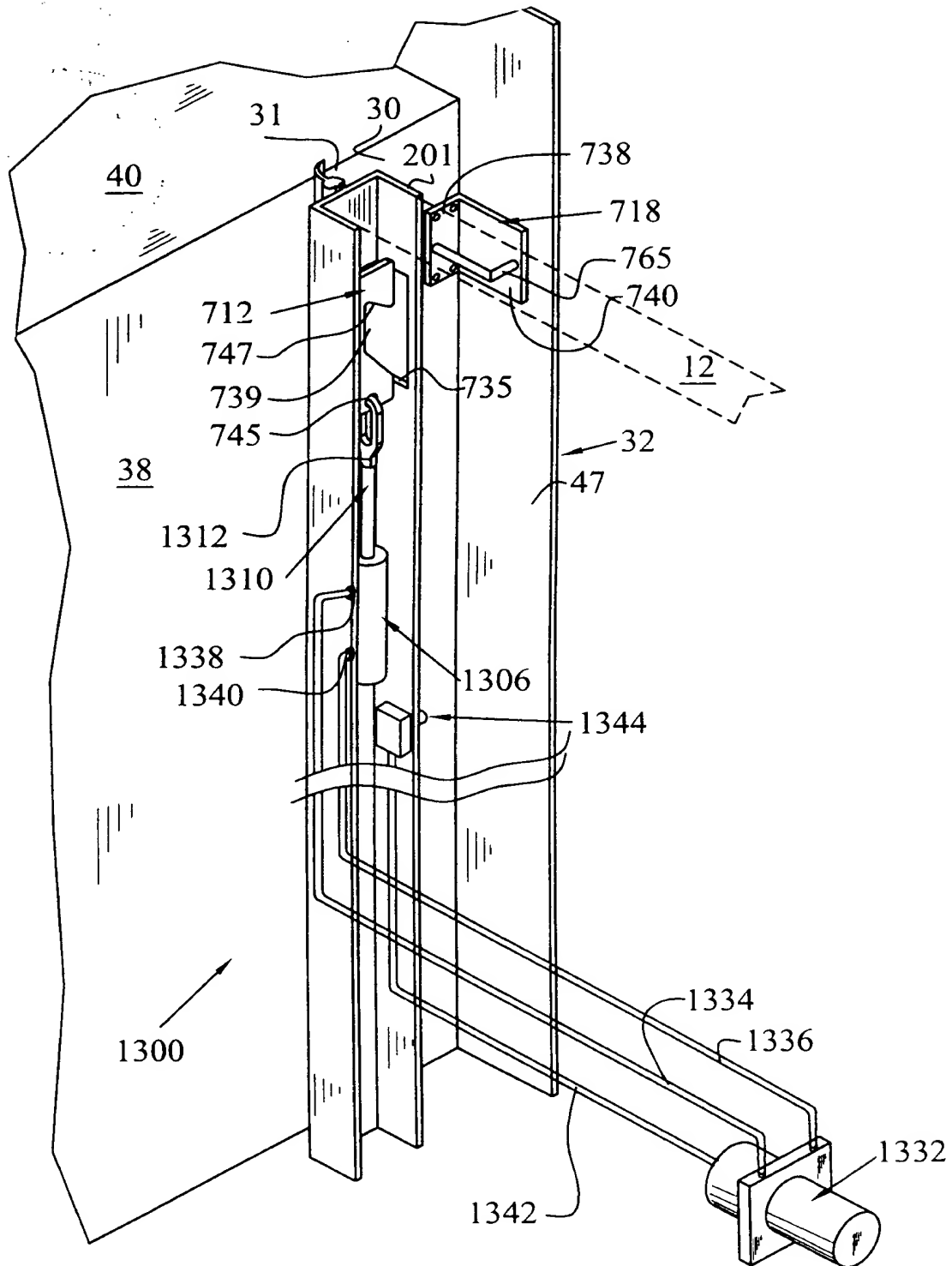


Fig. 29

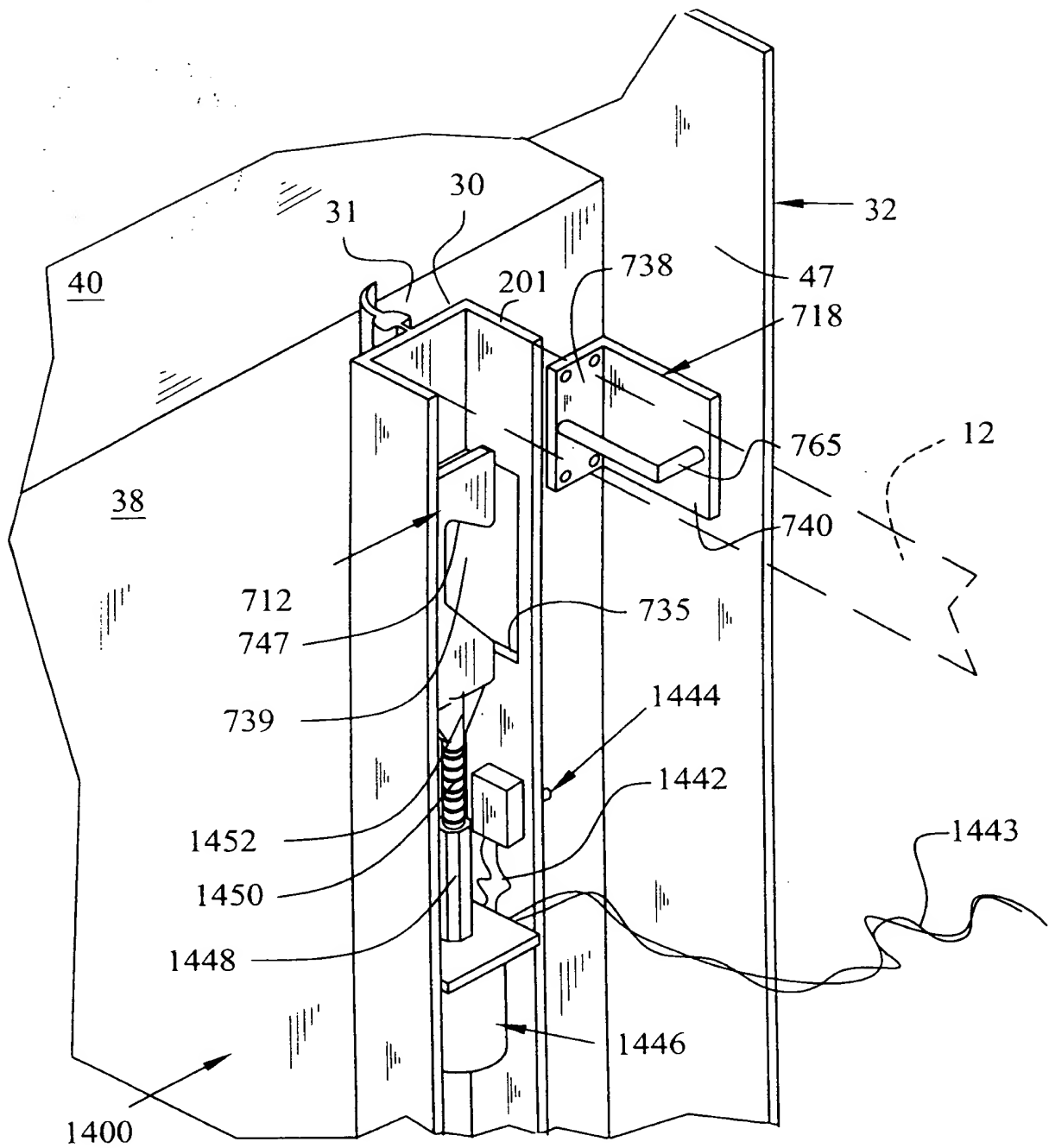


Fig. 30

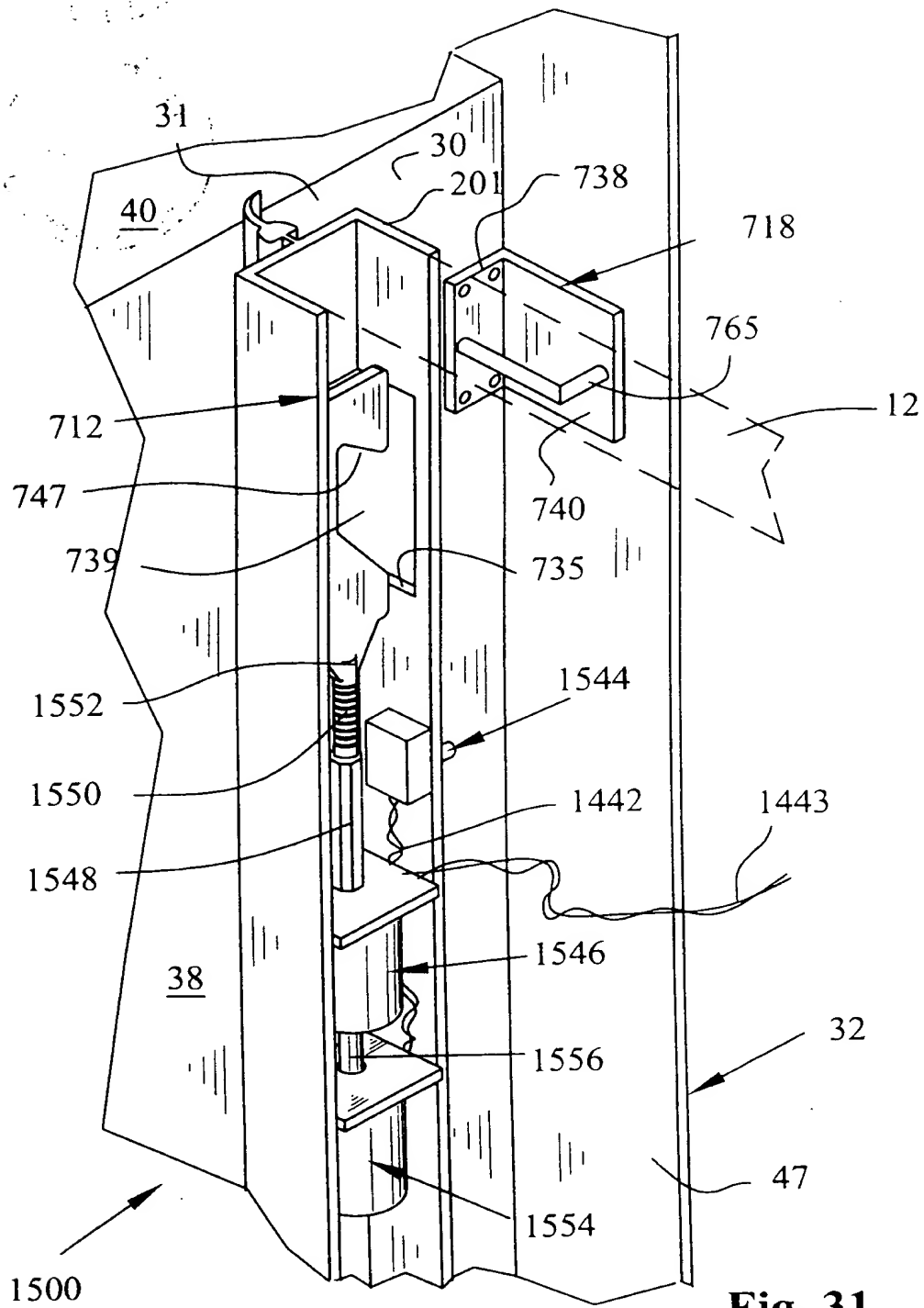


Fig. 31

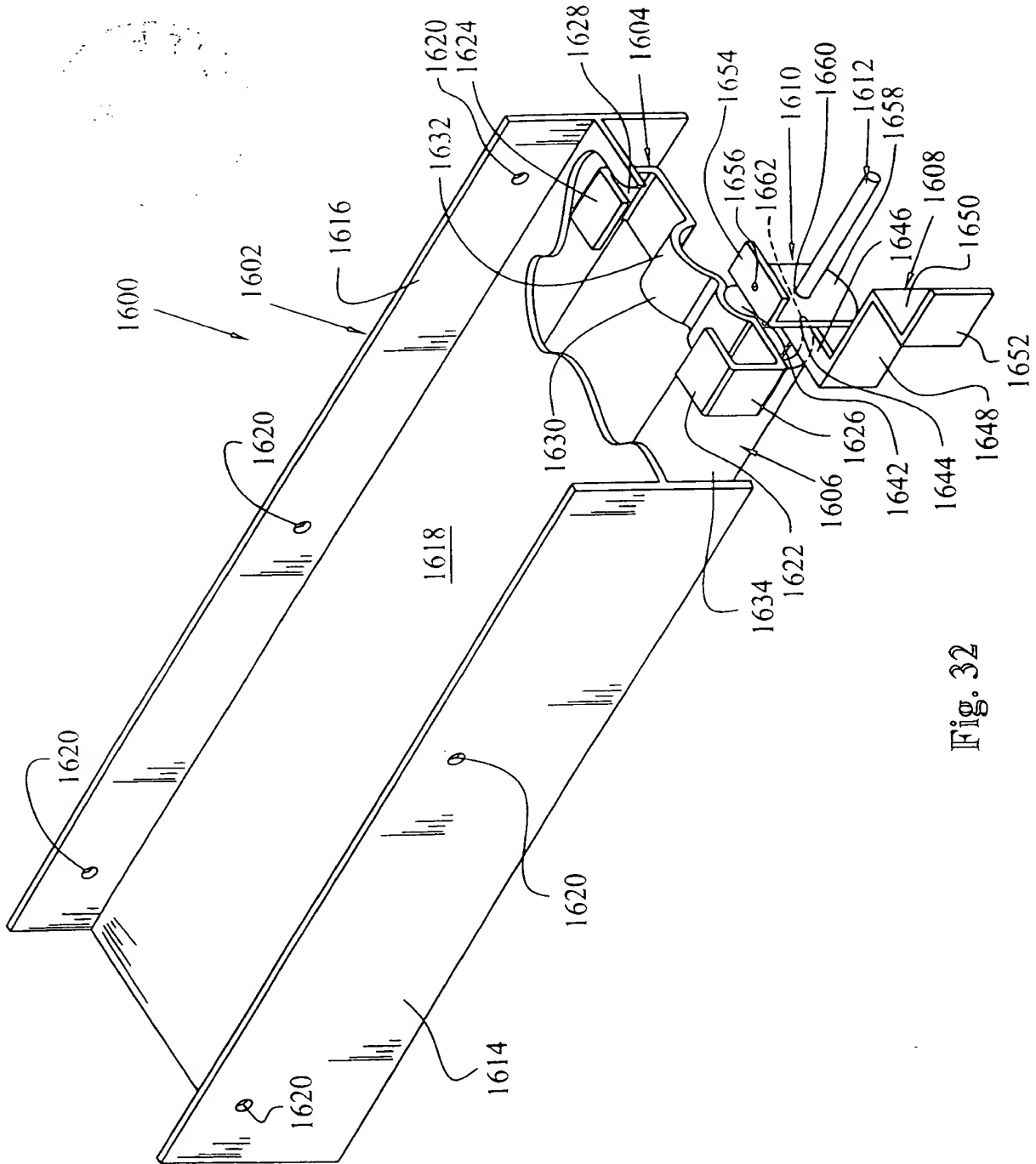


Fig. 32

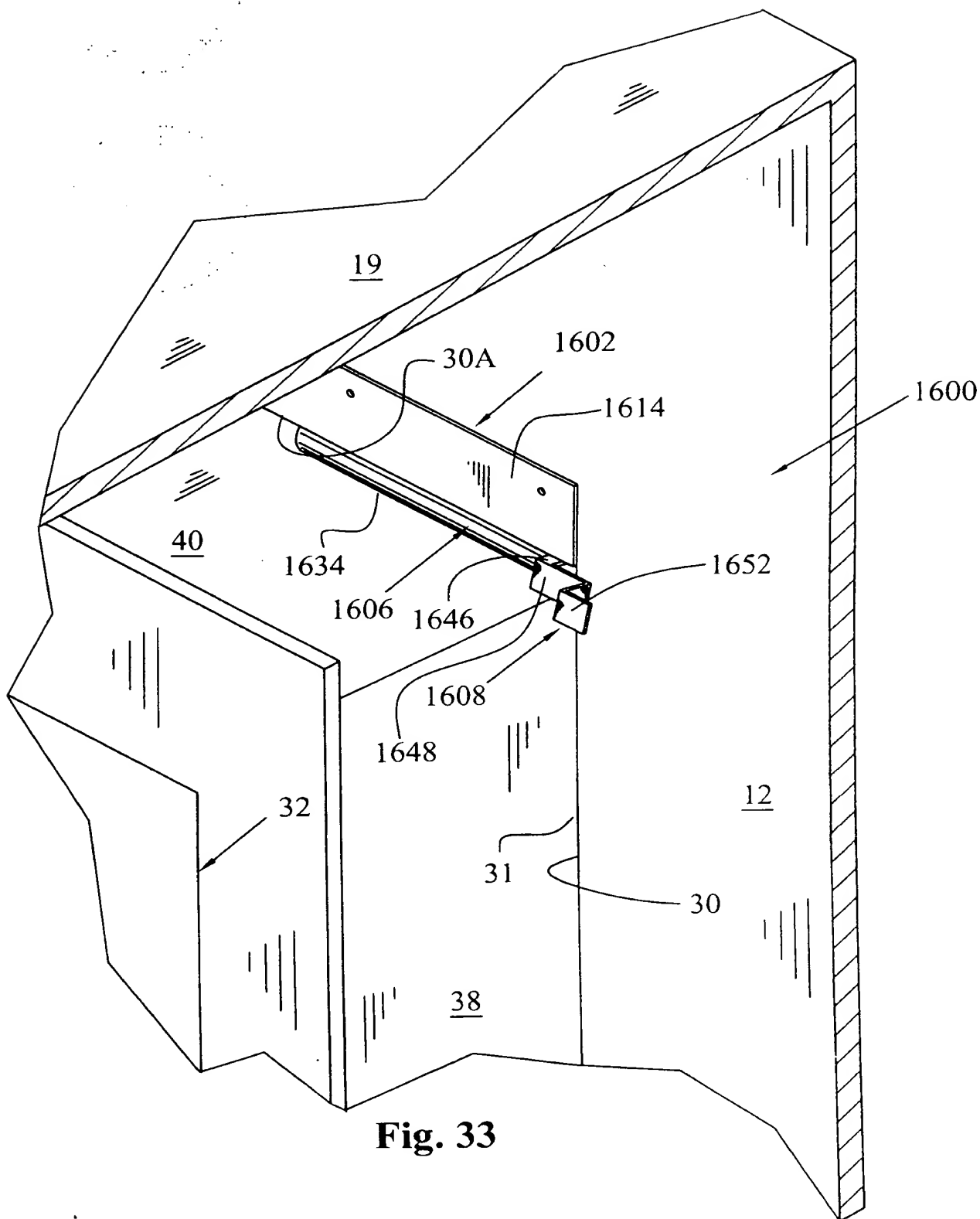


Fig. 33

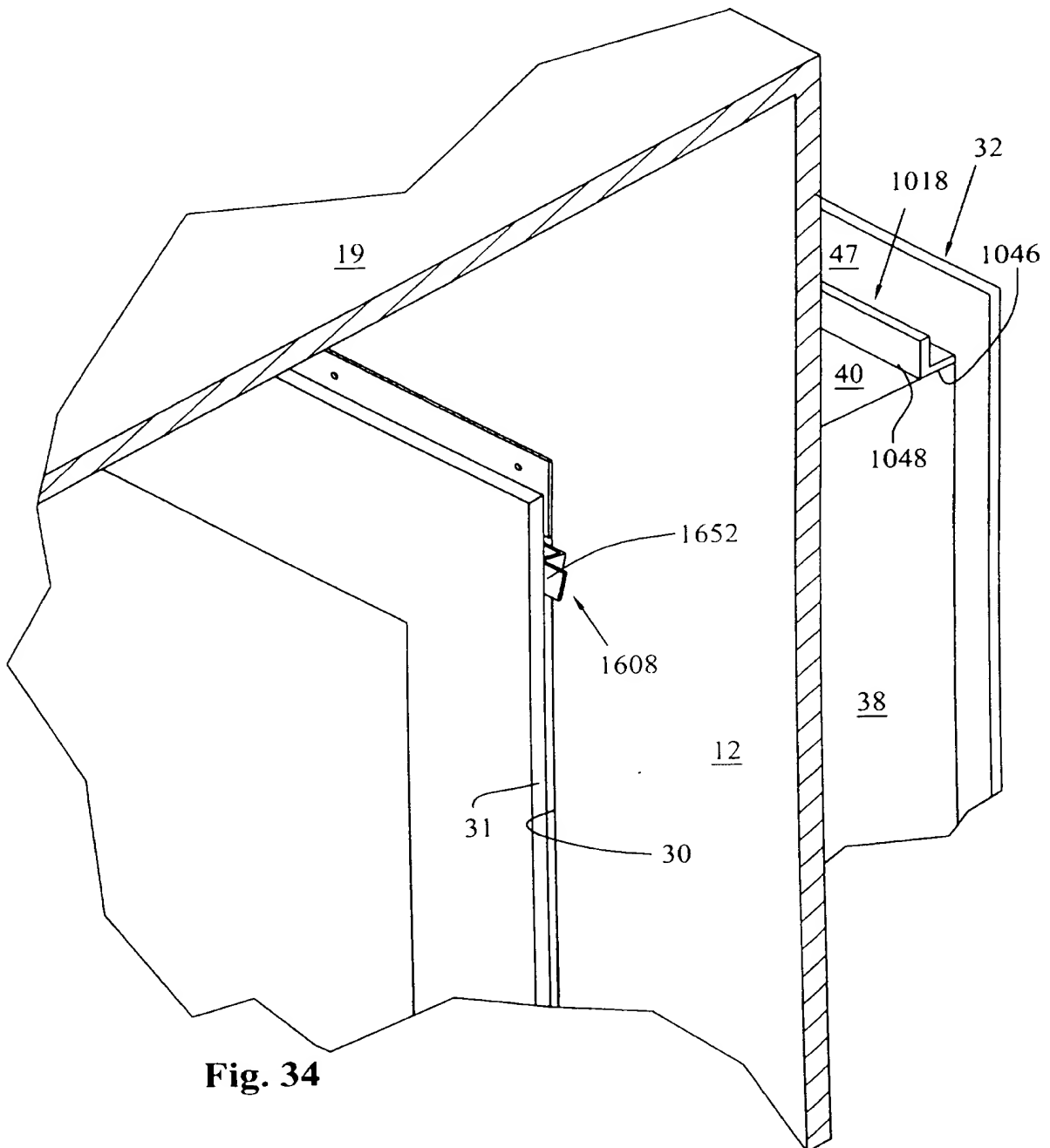


Fig. 34



FIG 35





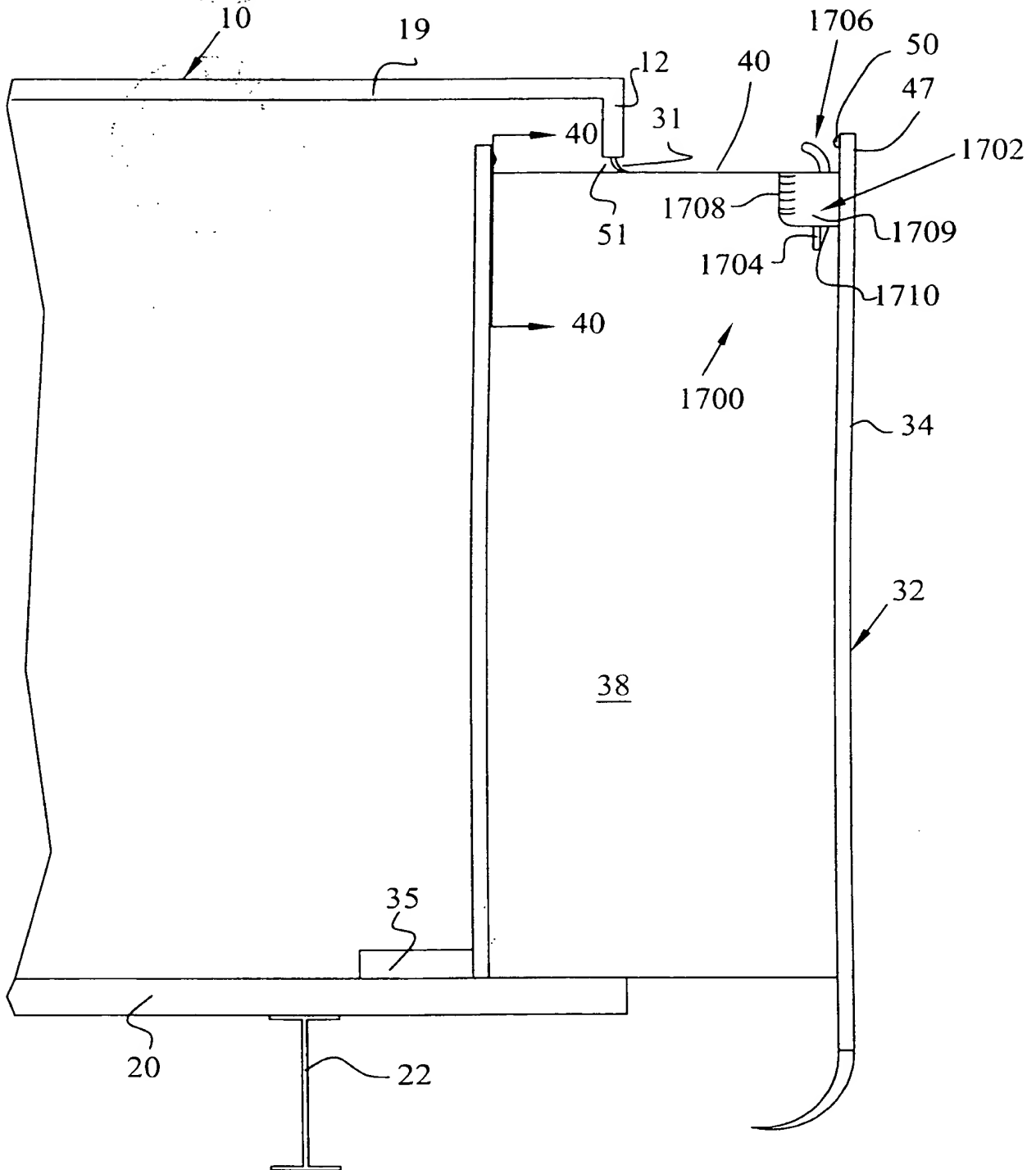


FIG 38

FIG. 39 is a cross-sectional view of the device 100 in a closed position. The device 100 includes a housing 12, a piston 30, a spring 32, a valve 34, and a seal 36. The piston 30 is biased by the spring 32 to a closed position where the seal 36 is in contact with the valve 34. The seal 36 is a ring-shaped member that fits around the piston 30. The valve 34 is a ring-shaped member that fits around the piston 30. The housing 12 is a cylindrical member that houses the piston 30, the spring 32, the valve 34, and the seal 36. The device 100 is shown in a closed position where the piston 30 is biased by the spring 32 to a closed position where the seal 36 is in contact with the valve 34.

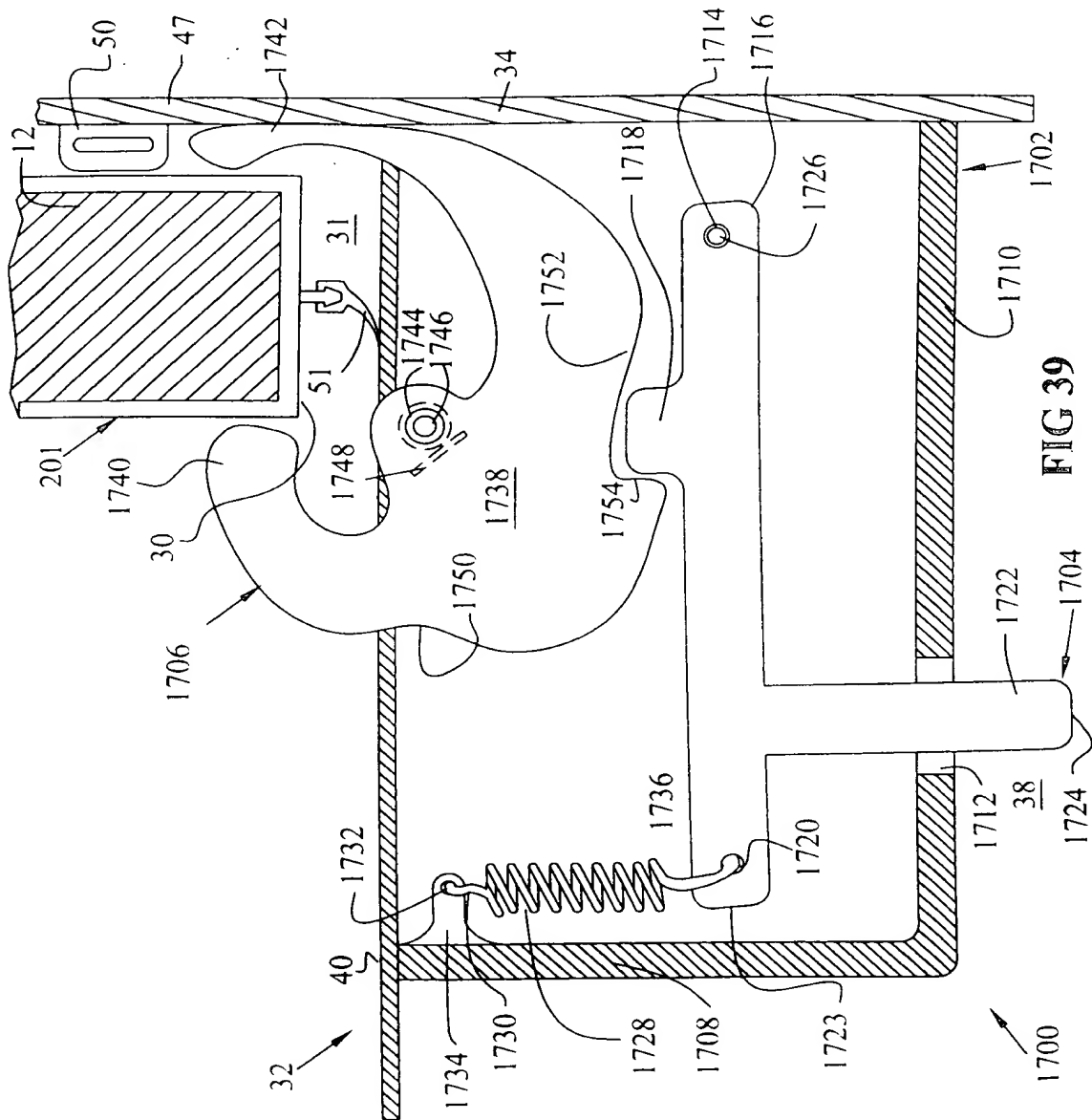
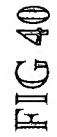
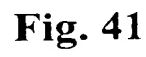


FIG 39







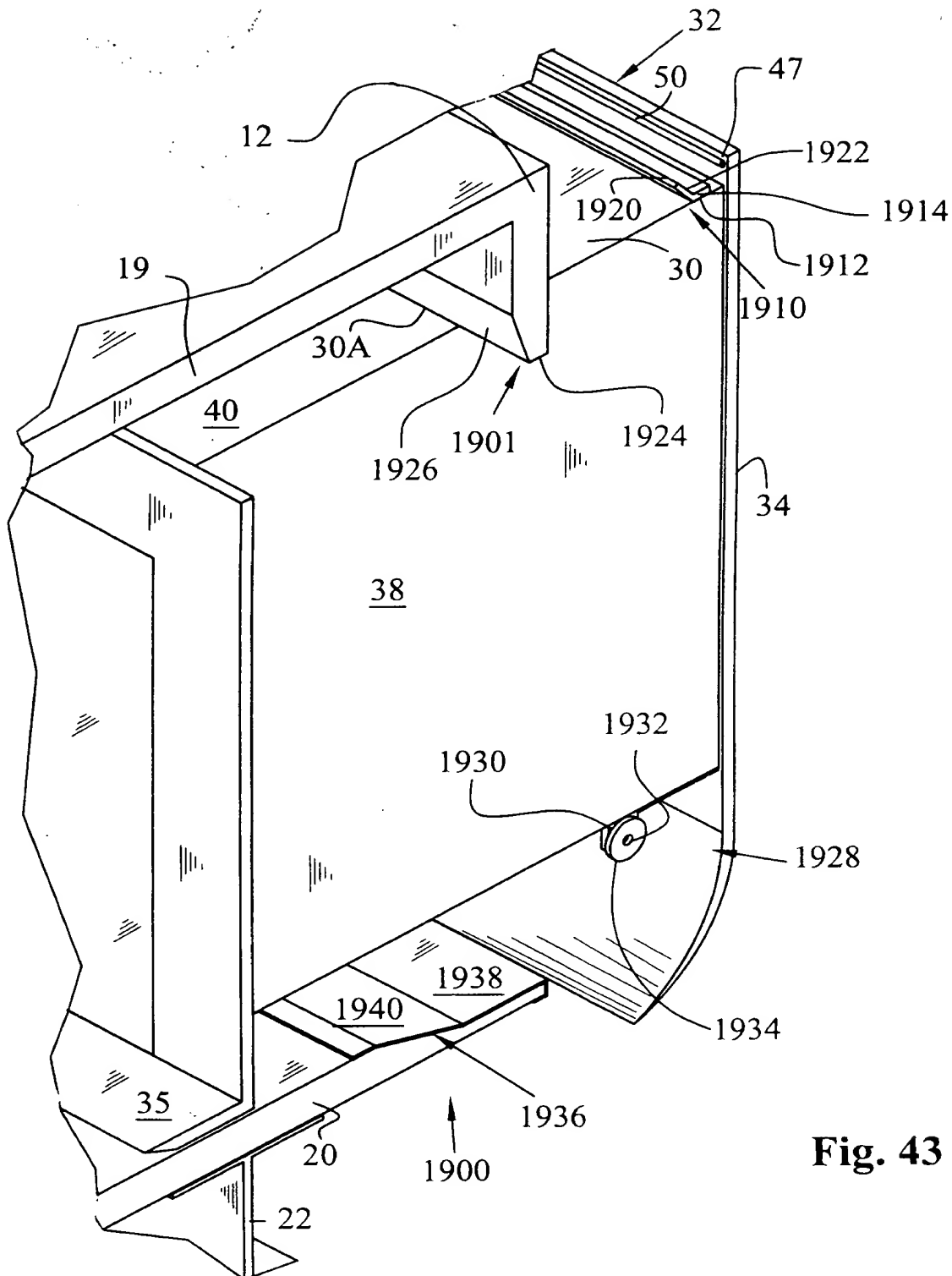


Fig. 43

FIG. 44 is a perspective view of the device of FIG. 1, showing the device in a closed position. The device includes a main body 10, a handle 12, a trigger 14, a release 16, a latch 18, a lock 20, a key 22, a pin 24, a spring 26, a bolt 28, a nut 30, a washer 32, a gasket 34, a seal 36, a plug 38, a cap 40, a cover 42, a door 44, a window 46, a mirror 48, a lamp 50, a fan 52, a heater 54, a cooler 56, a filter 58, a screen 60, a mesh 62, a grate 64, a screen 66, a mesh 68, a grate 70, a screen 72, a mesh 74, a grate 76, a screen 78, a mesh 80, a grate 82, a screen 84, a mesh 86, a grate 88, a screen 90, a mesh 92, a grate 94, a screen 96, a mesh 98, a grate 100.

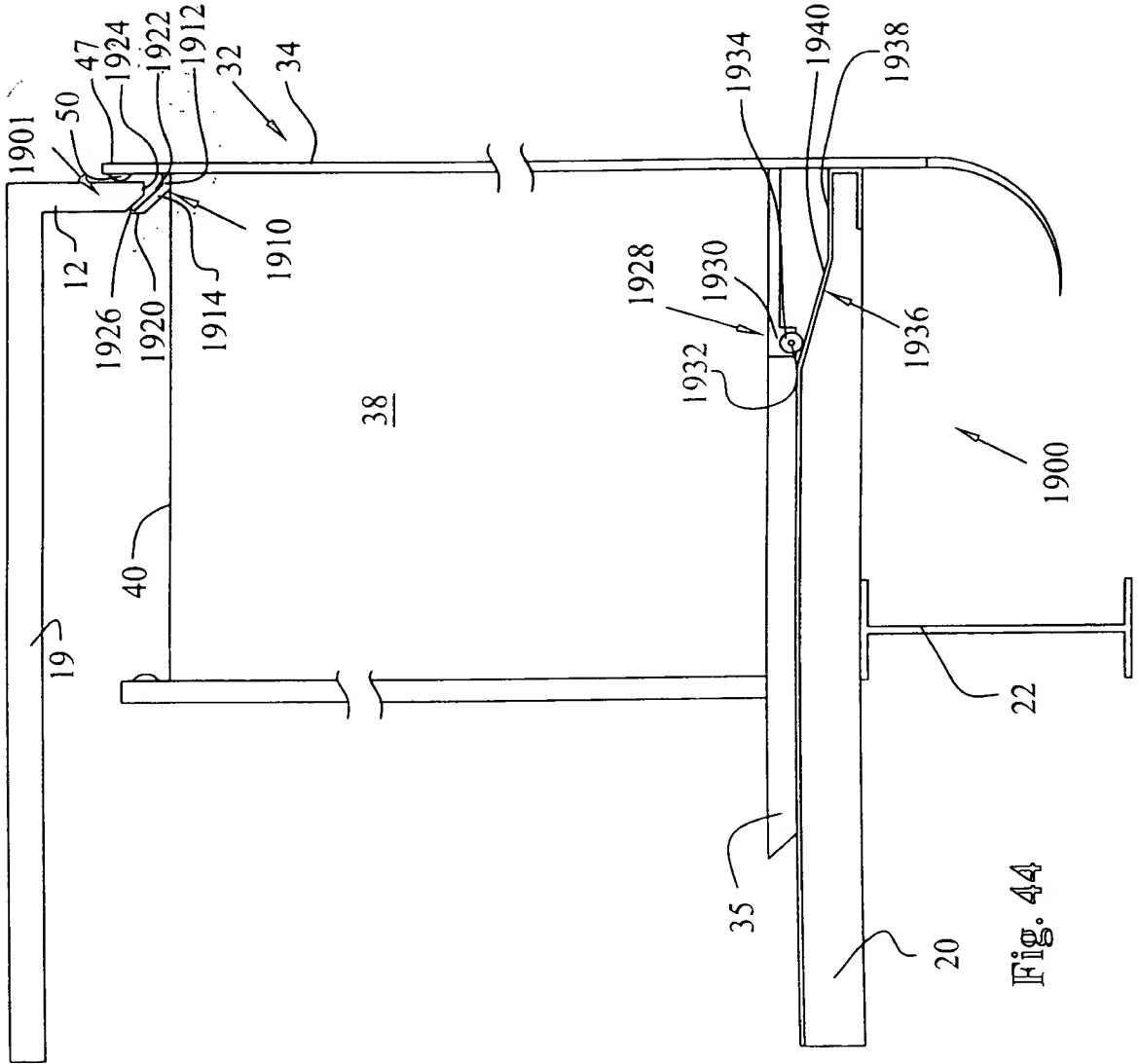


Fig. 44

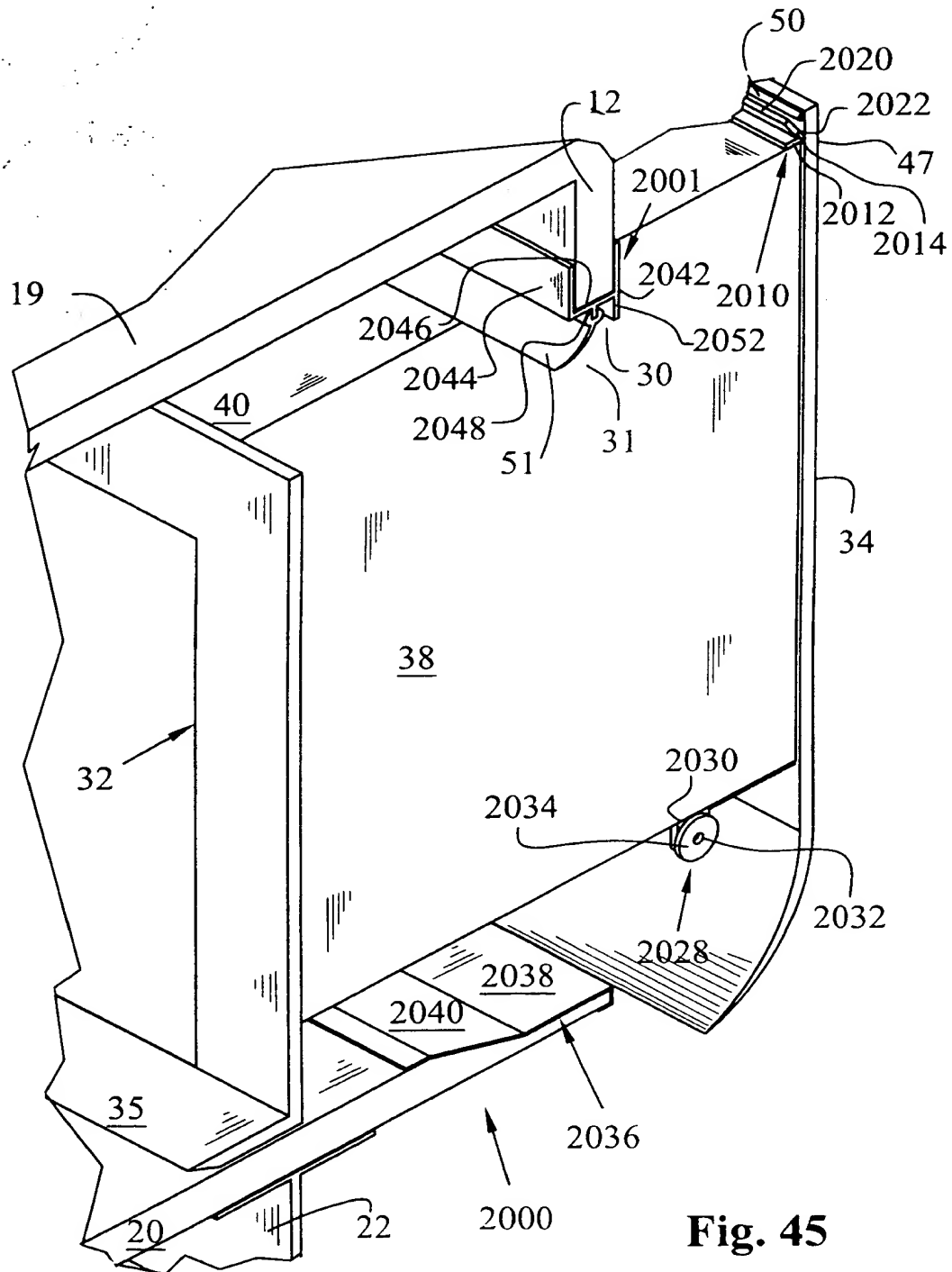


Fig. 45

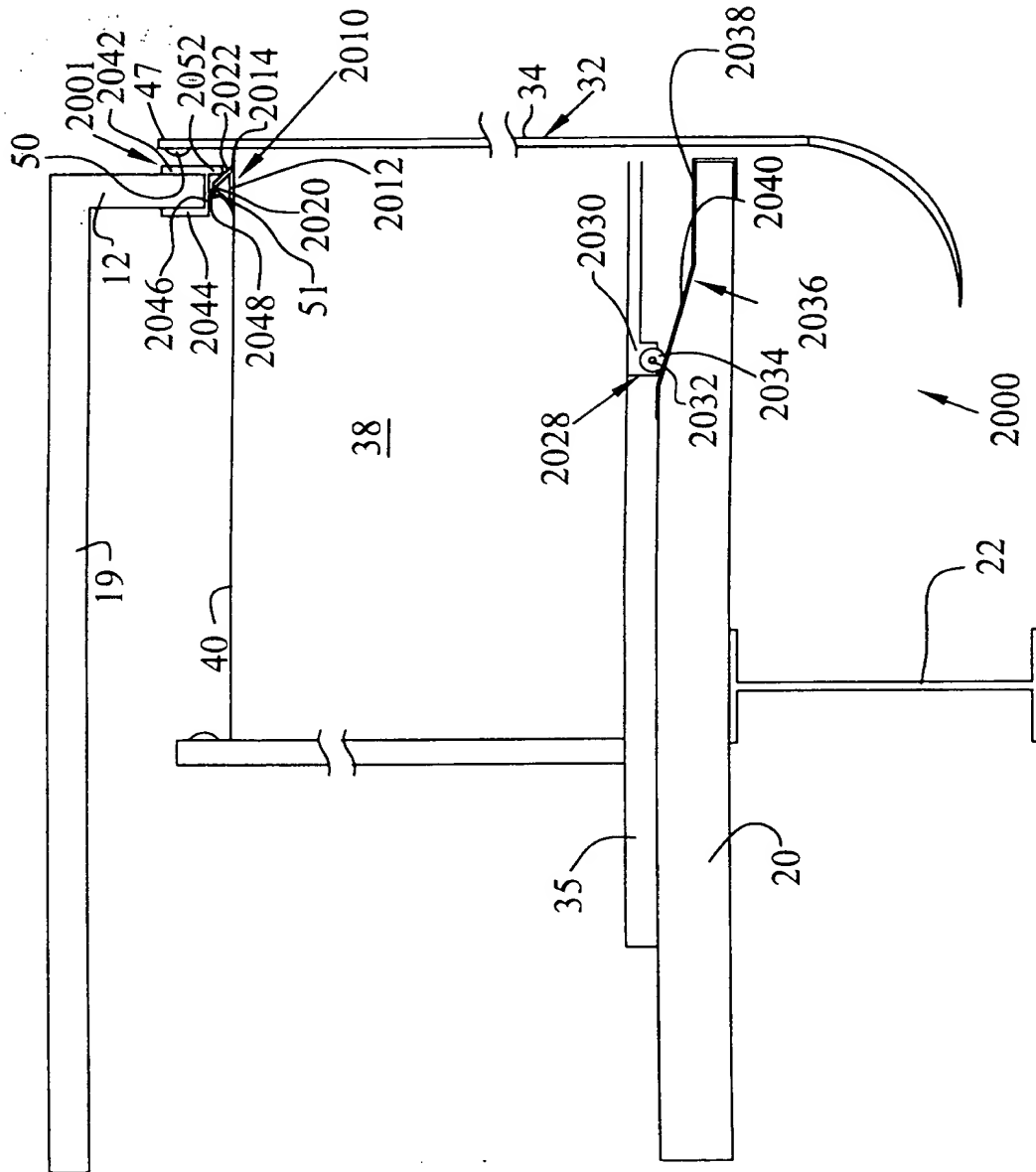


Fig. 46

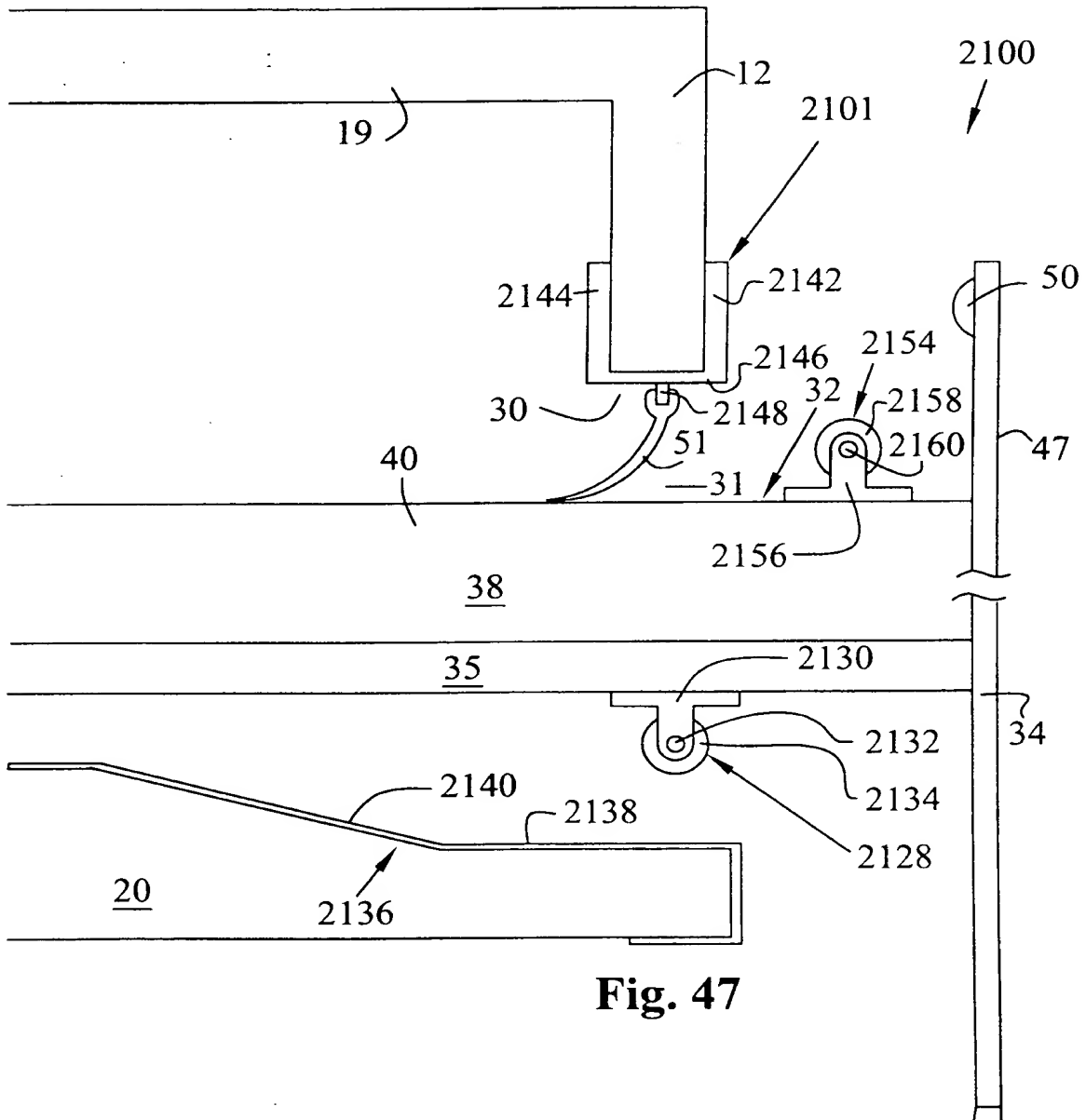
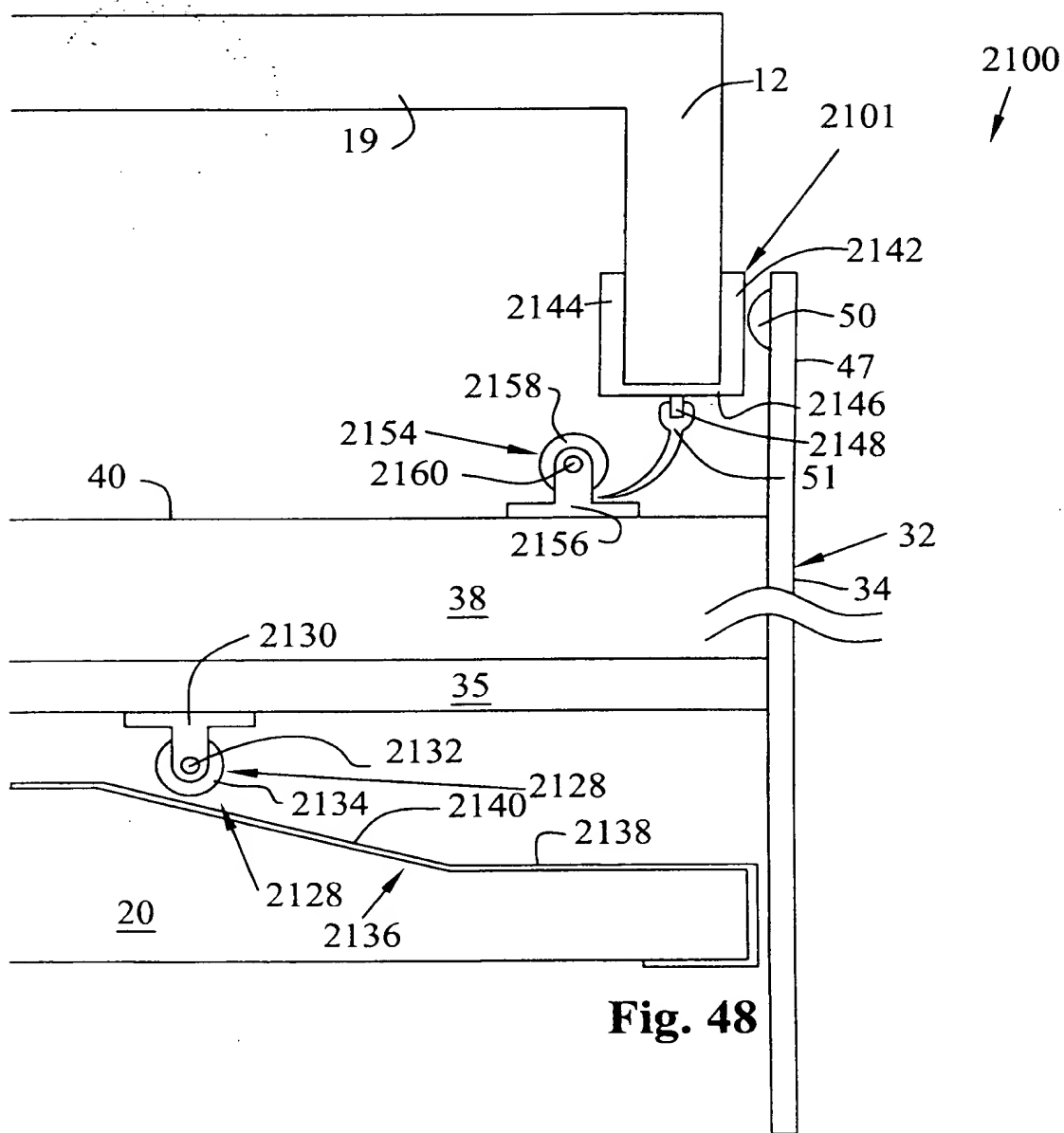
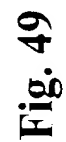


Fig. 47





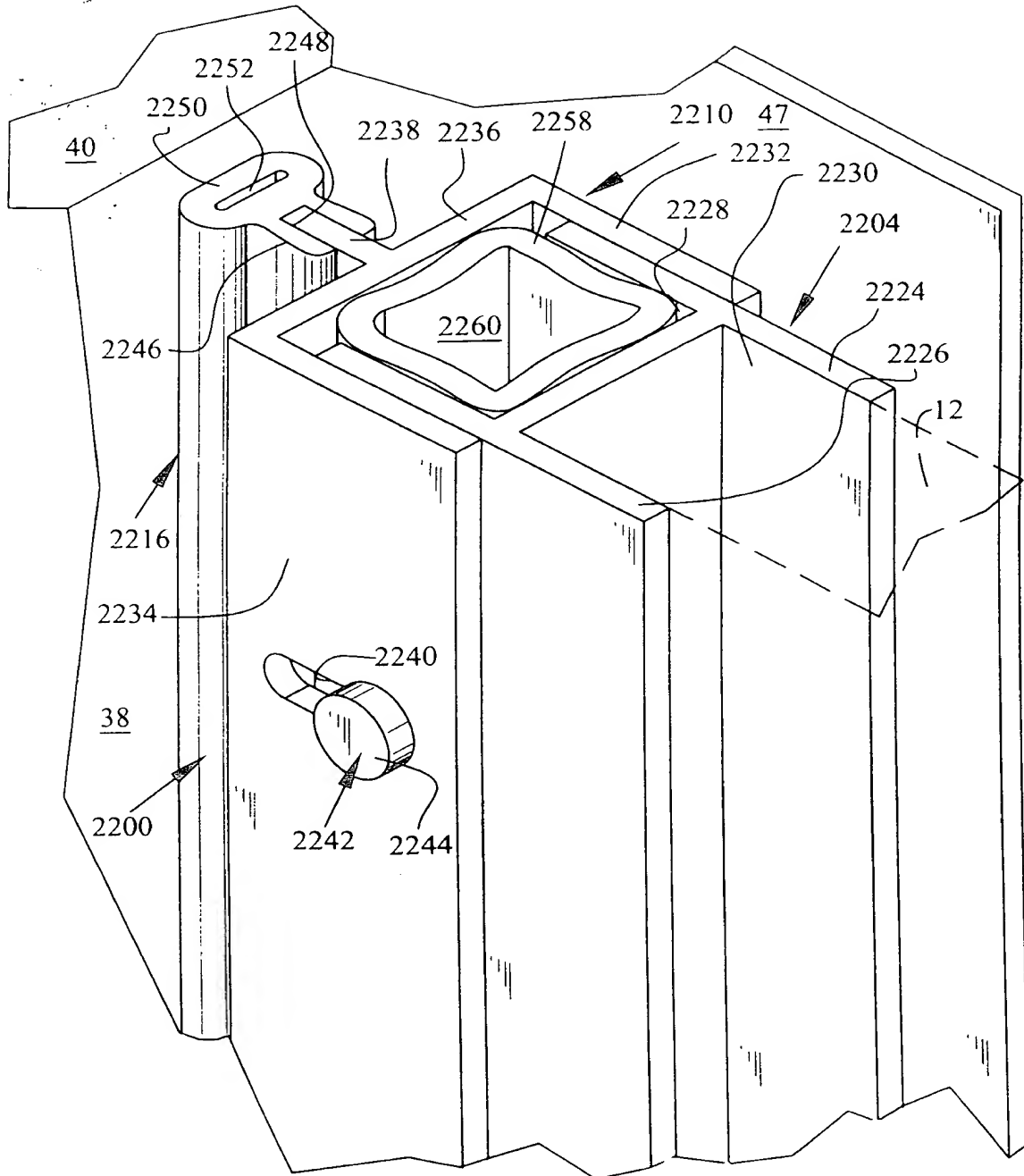


Fig. 50

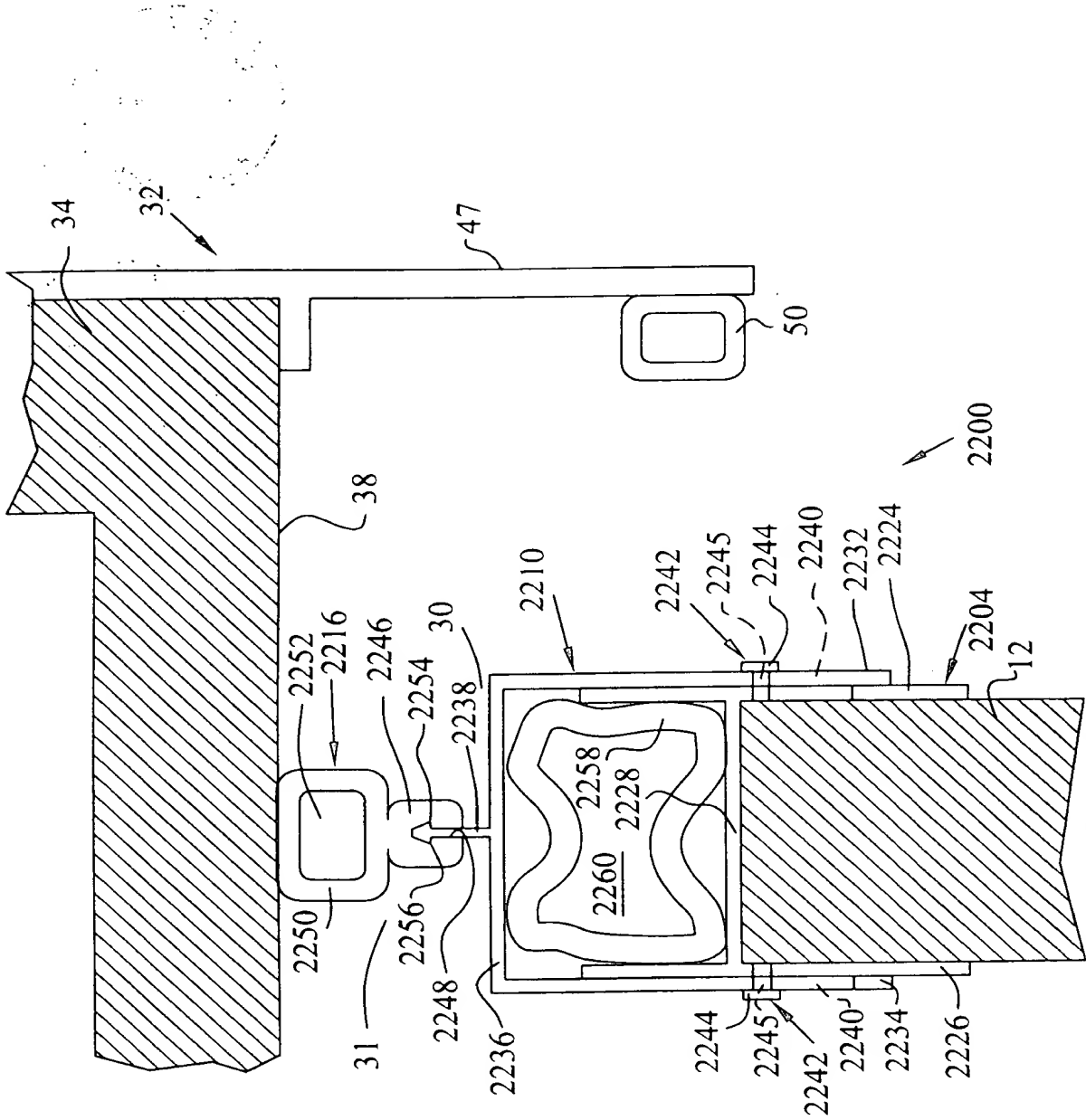


Fig. 51A

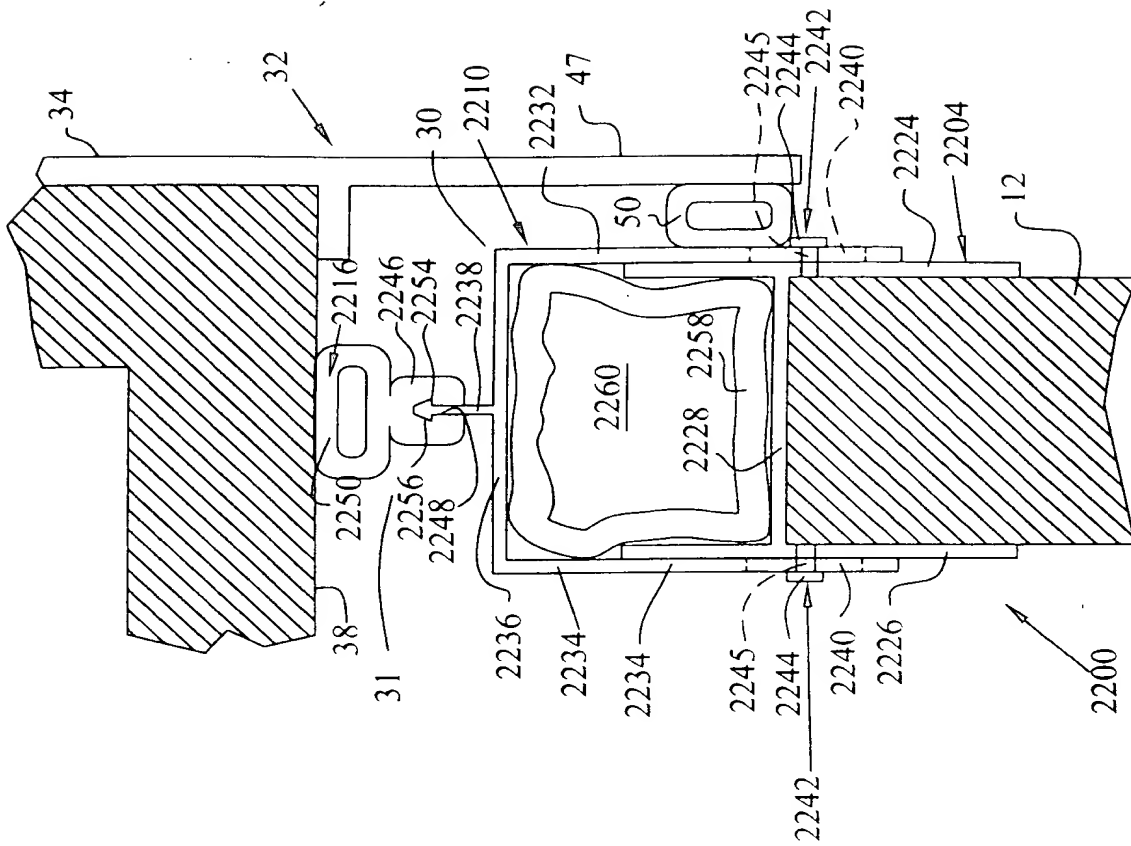
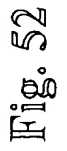


Fig. 51B





File 53

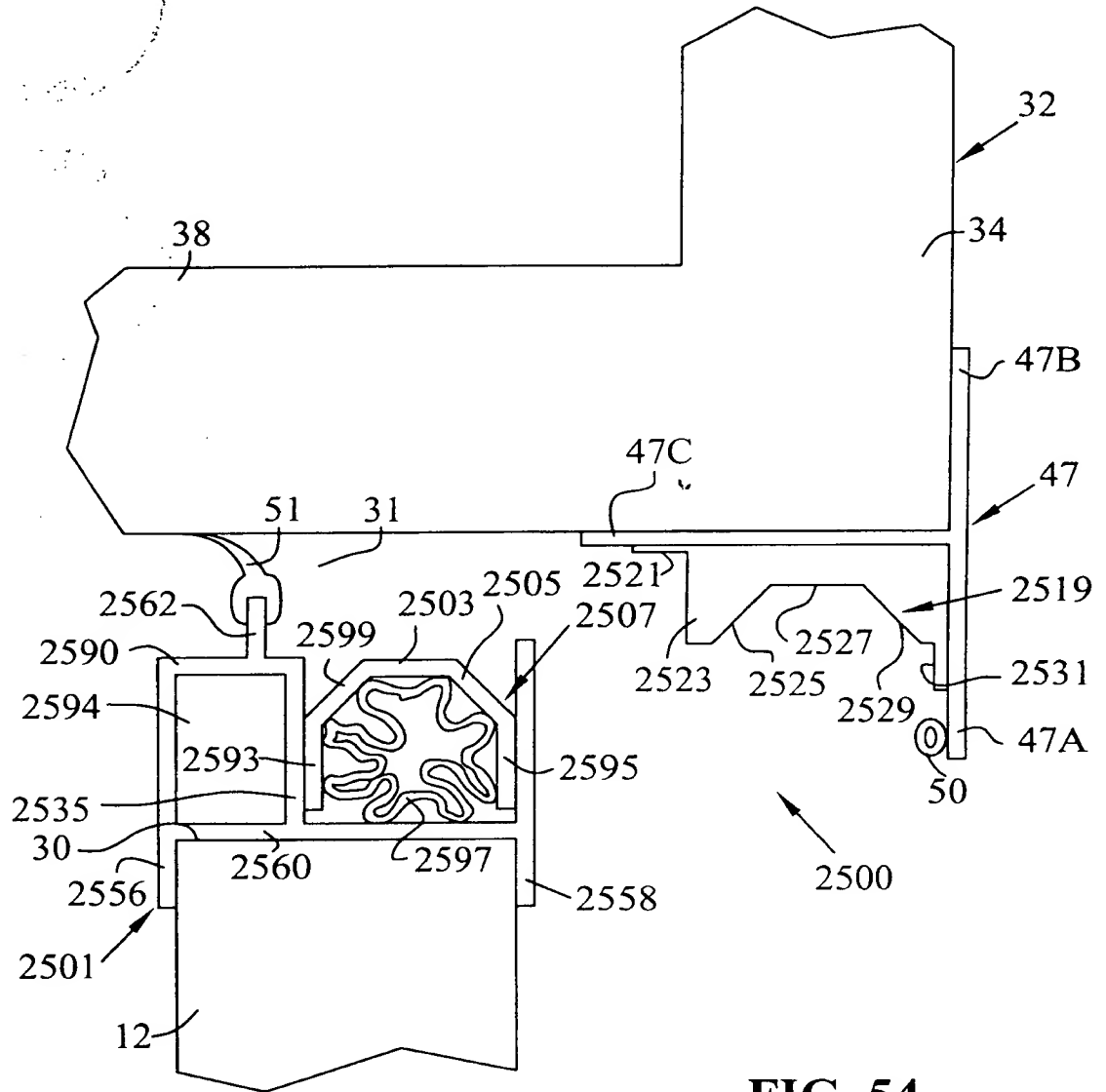


FIG. 54

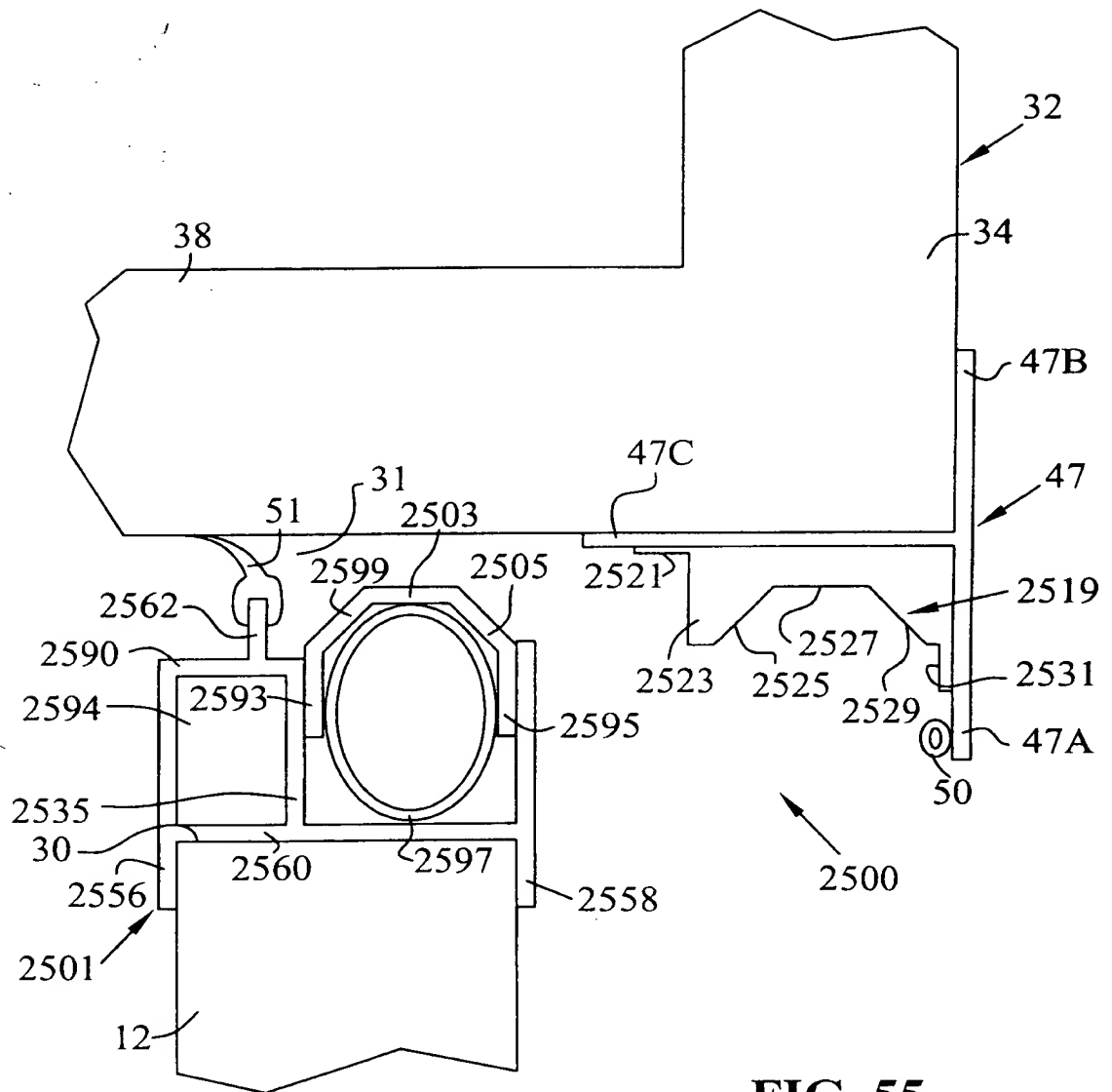


FIG. 55

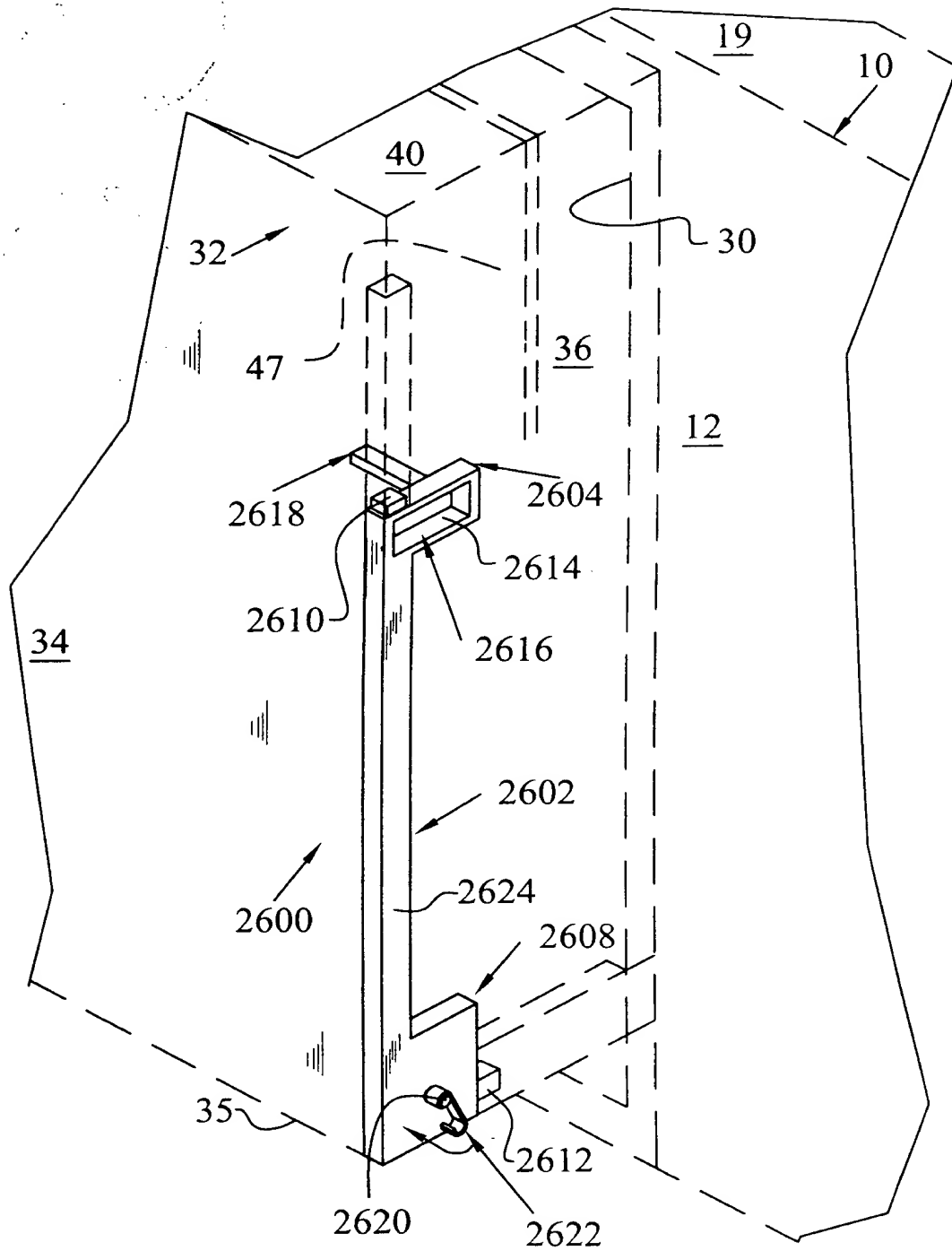


Fig. 56

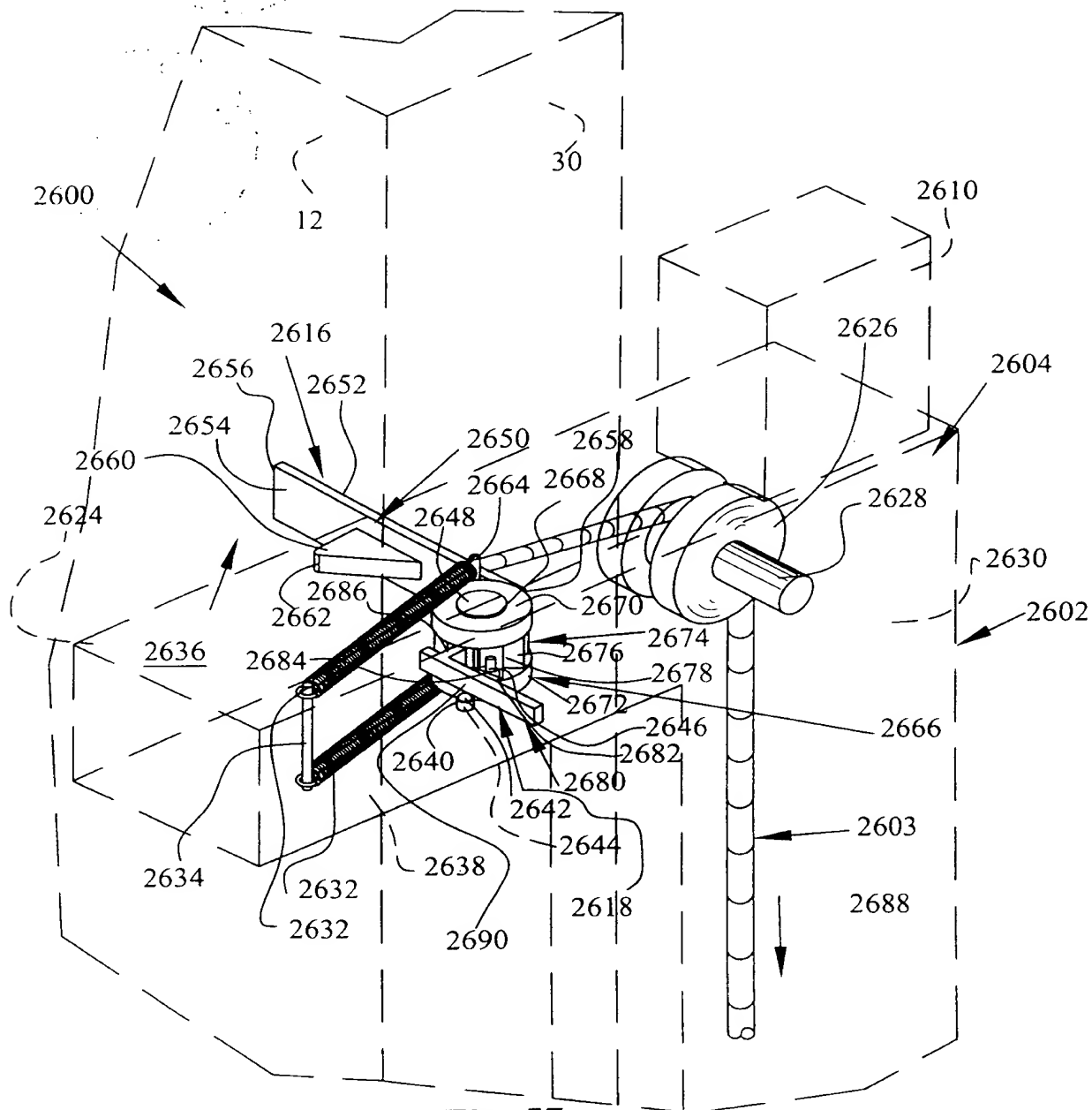


Fig. 57

[illegible]

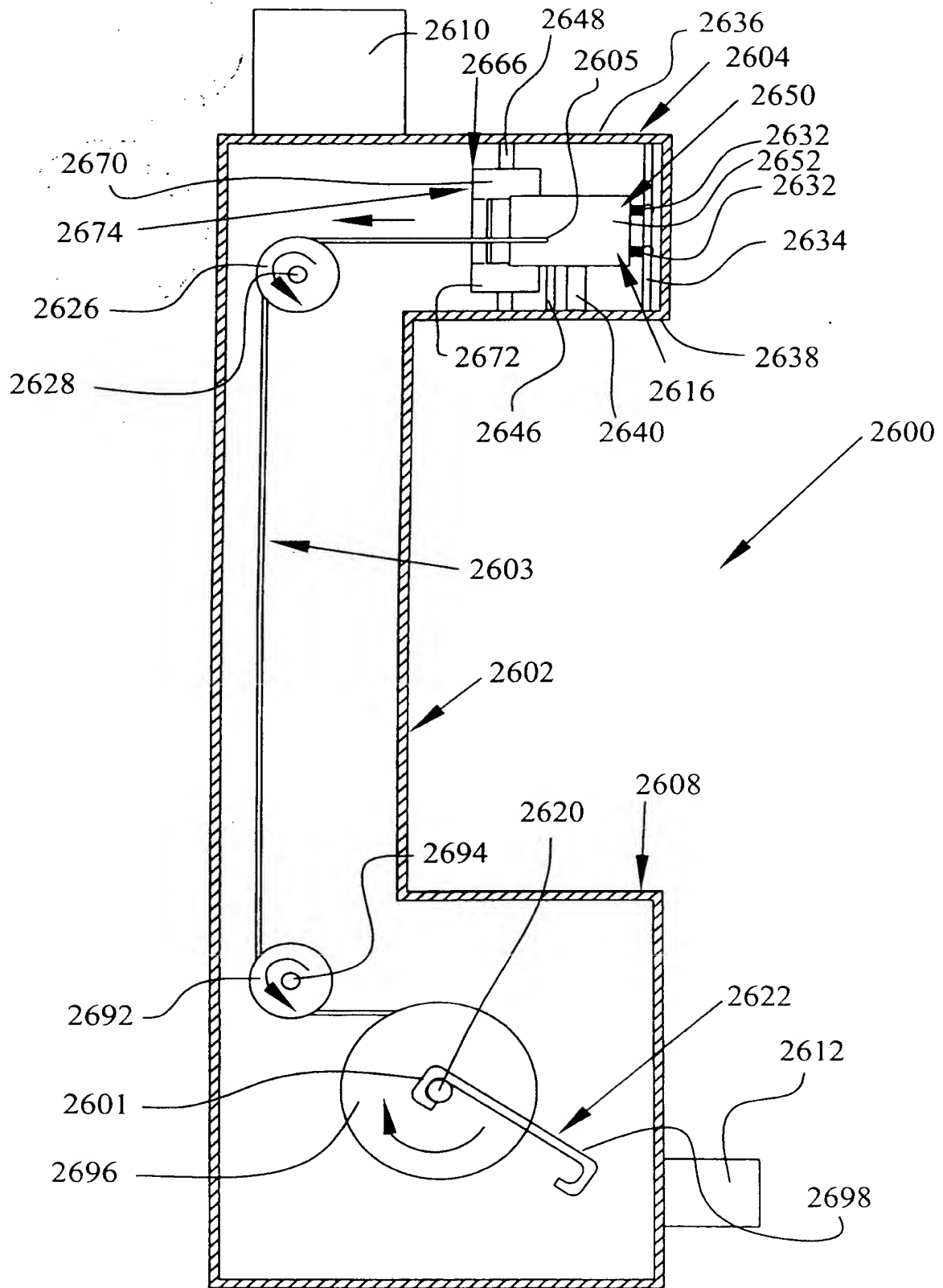


Fig. 58

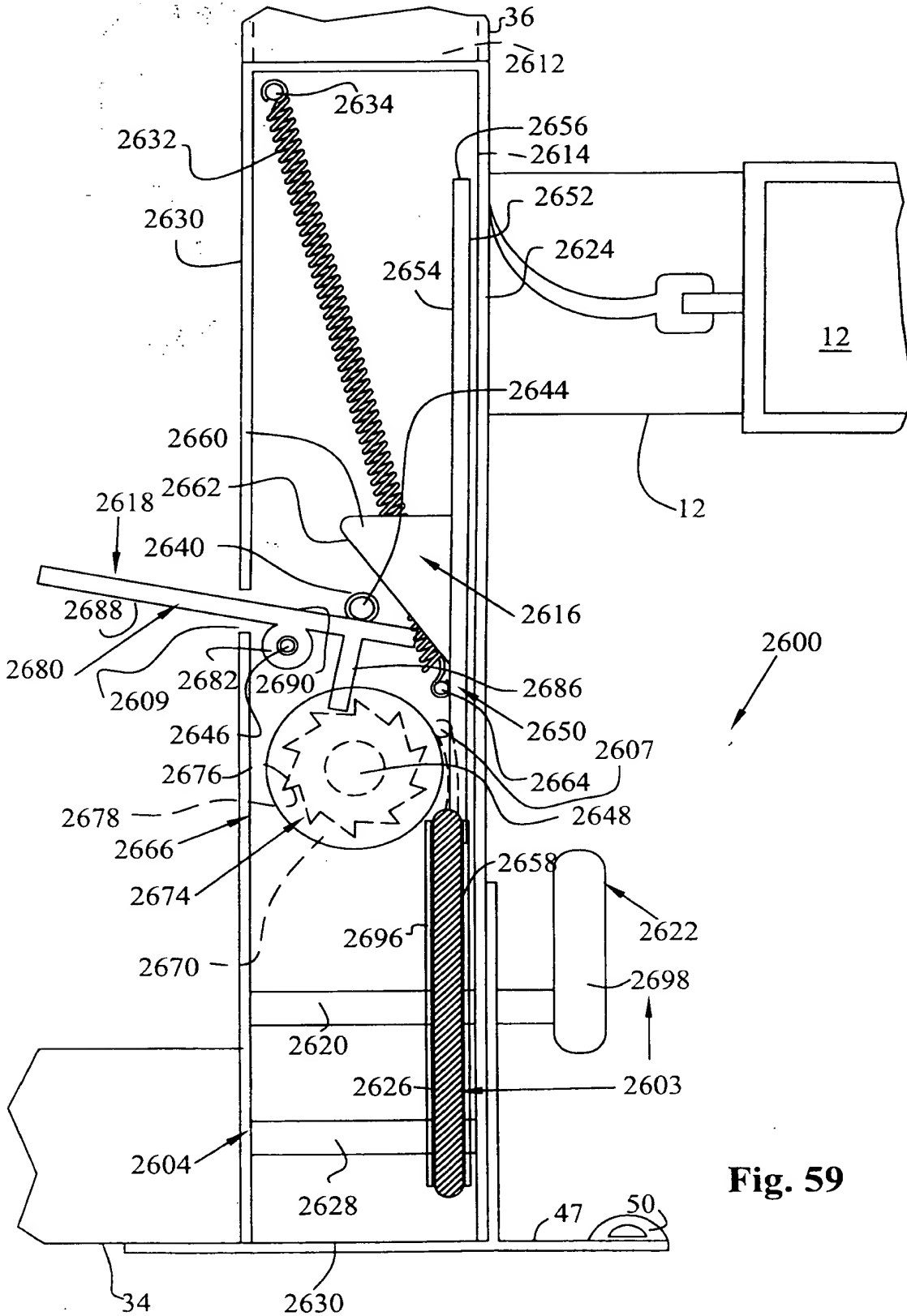


Fig. 59

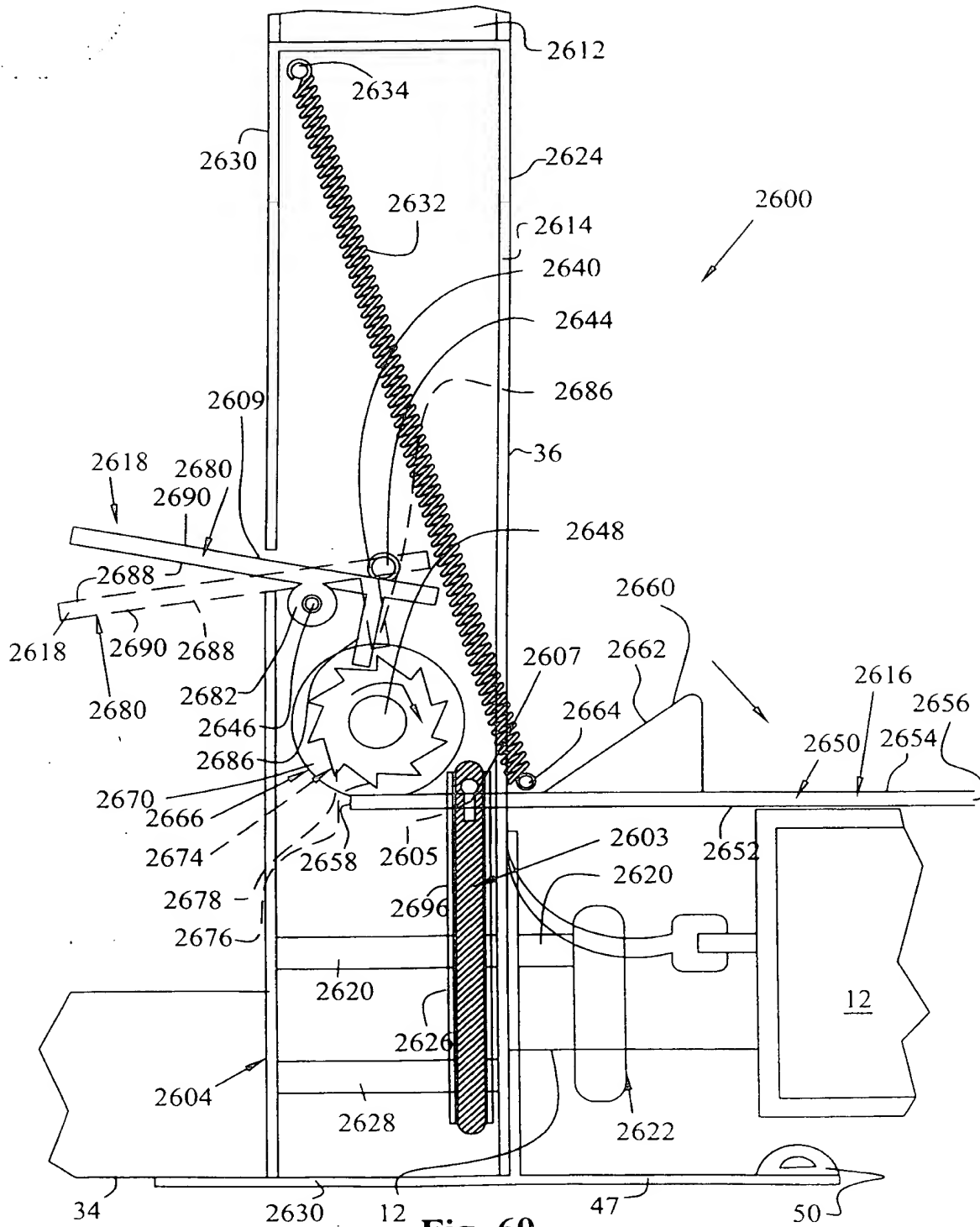


Fig. 60

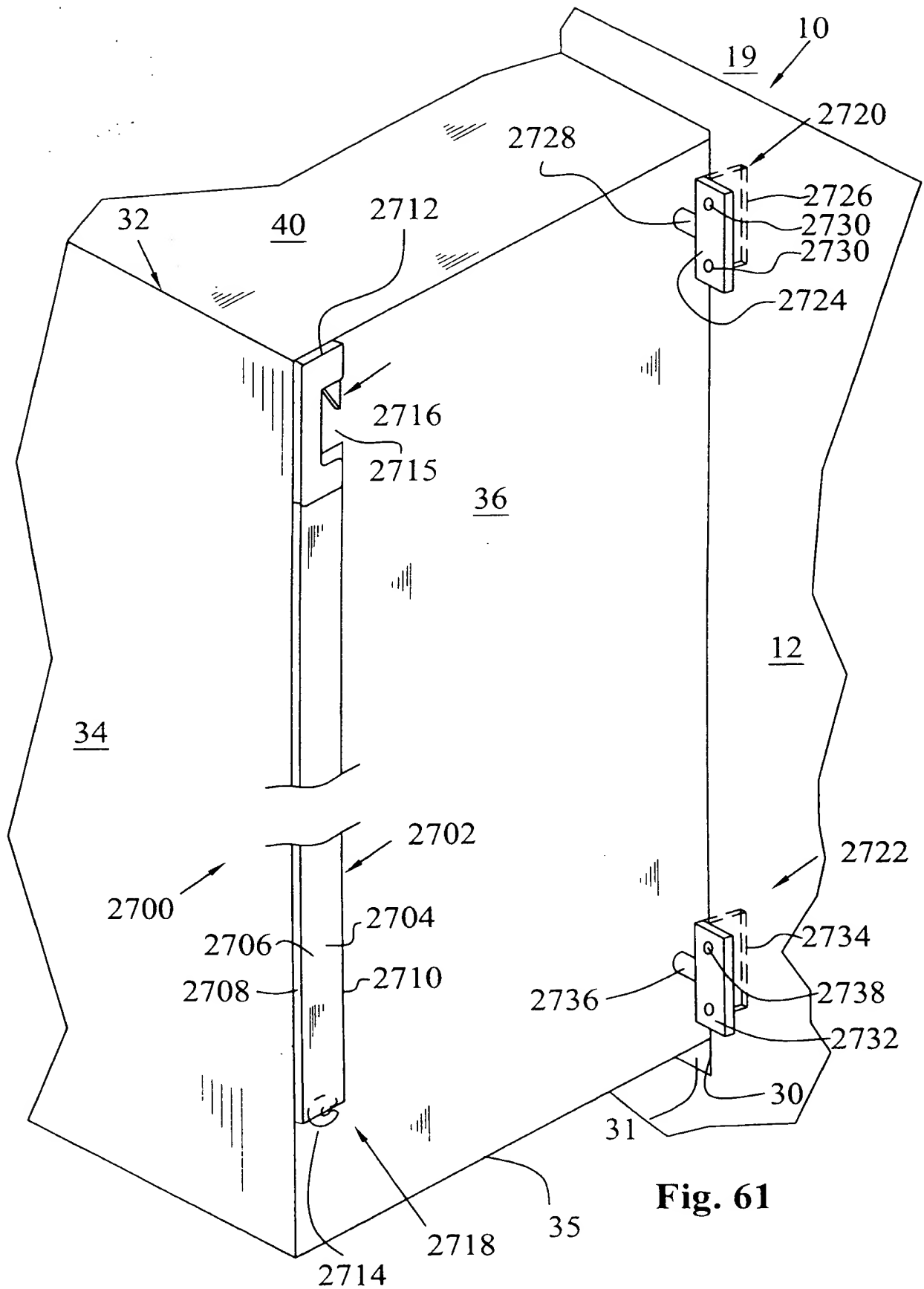


Fig. 61

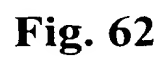


Fig. 62

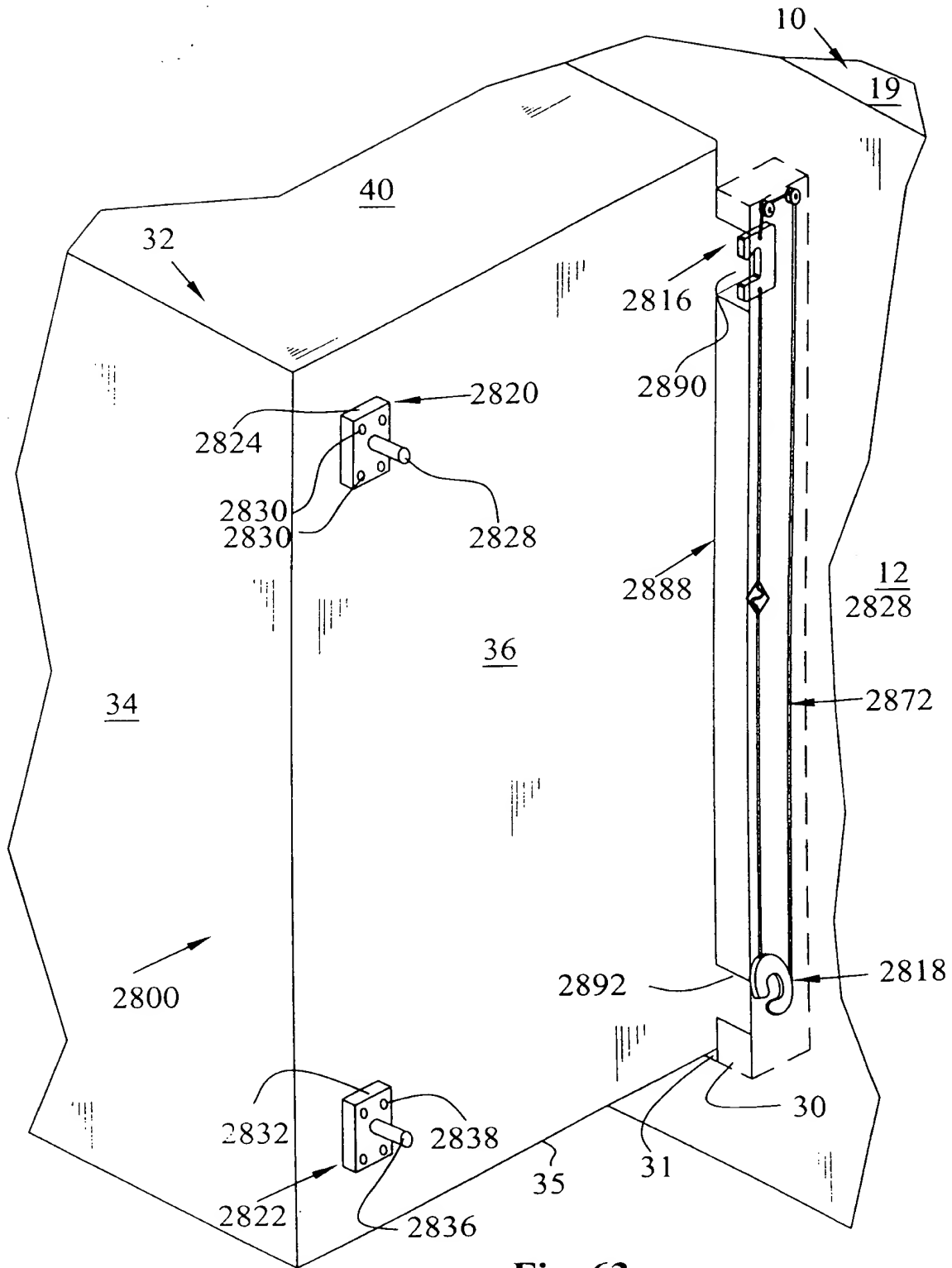


Fig. 63